

UNITED STATES
SECURITIES AND EXCHANGE COMMISSION
Washington, D.C. 20549

FORM 10-K

(Mark One)

ANNUAL REPORT PURSUANT TO SECTION 13 OR 15(d) OF THE SECURITIES EXCHANGE ACT OF 1934

For the fiscal year ended December 31, 2021

OR

TRANSITION REPORT PURSUANT TO SECTION 13 OR 15(d) OF THE SECURITIES EXCHANGE ACT OF 1934

For the transition period from _____ to _____

Commission file number 001-40646

ABSCI CORPORATION

(Exact name of registrant as specified in its charter)

Delaware

(State or other jurisdiction of incorporation or organization)

18105 SE Mill Plain Blvd
Vancouver, WA

(Address of Principal Executive Offices)

85-3383487

(I.R.S. Employer Identification No.)

98683

(Zip Code)

(360) 949-1041

Registrant's telephone number, including area code

Securities registered pursuant to Section 12(b) of the Act:

Title of each class	Trading Symbol(s)	Name of each exchange on which registered
Common Stock, \$0.0001 par value	ABSI	The Nasdaq Global Select Market

Indicate by check mark if the registrant is a well-known seasoned issuer, as defined in Rule 405 of the Securities Act. Yes No

Indicate by check mark if the registrant is not required to file reports pursuant to Section 13 or Section 15(d) of the Exchange Act. Yes No

Indicate by check mark whether the registrant: (1) has filed all reports required to be filed by Section 13 or 15(d) of the Securities Exchange Act of 1934 during the preceding 12 months (or for such shorter period that the registrant was required to file such reports); and (2) has been subject to such filing requirements for the past 90 days. Yes No

Indicate by check mark whether the registrant has submitted electronically every Interactive Data File required to be submitted pursuant to Rule 405 of Regulation S-T (\$232.405 of this chapter) during the preceding 12 months (or for such shorter period that the registrant was required to submit such files). Yes No

Indicate by check mark whether the registrant is a large accelerated filer, an accelerated filer, a non-accelerated filer, or a smaller reporting company. See the definitions of "large accelerated filer," "accelerated filer" and "smaller reporting company" in Rule 12b-2 of the Exchange Act. (Check one):

Large accelerated filer	<input type="checkbox"/>	Accelerated filer	<input type="checkbox"/>
Non-accelerated filer	<input checked="" type="checkbox"/>	Smaller reporting company	<input checked="" type="checkbox"/>
		Emerging growth company	<input checked="" type="checkbox"/>

If an emerging growth company, indicate by check mark if the registrant has elected not to use the extended transition period for complying with any new or revised financial accounting standards provided pursuant to Section 13(a) of the Exchange Act.

Indicate by check mark whether the registrant has filed a report on and attestation to its management's assessment of the effectiveness of its internal control over financial reporting under Section 404(b) of the Sarbanes-Oxley Act (15 U.S.C. 7262(b)) by the registered public accounting firm that prepared or issued its audit report. Yes NO

Indicate by check mark whether the registrant is a shell company (as defined in Rule 12b-2 of the Act). Yes NO

The registrant was not a public company as of June 30, 2021, the last business day of its most recently completed second fiscal quarter and therefore, cannot calculate the aggregate market value of its common equity held by non-affiliates as of such date. The registrant's common stock began trading on the Nasdaq Global Select Market on July 22, 2021. The aggregate market value of the registrant's common stock held by non-affiliates of the registrant computed by reference to the price of

the registrant's common stock as of July 22, 2021 (based on the last reported sale price on the Nasdaq Global Select Market as of such date) was approximately \$1.2 billion.

The registrant had outstanding 92,772,693 shares of \$0.0001 par value common stock as of March 1, 2022

DOCUMENTS INCORPORATED BY REFERENCE

Portions of the registrant's definitive Proxy Statement relating to the 2022 Annual Meeting of Stockholders are incorporated herein by reference in Part III of this Annual Report on Form 10-K to the extent stated herein. The proxy statement will be filed with the Securities and Exchange Commission within 120 days of the registrant's fiscal year ended December 31, 2021.

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SPECIAL NOTE REGARDING FORWARD-LOOKING STATEMENTS

This Annual Report on Form 10-K includes “forward-looking statements” within the meaning of the U.S. Private Securities Litigation Reform Act of 1995. Forward-looking statements include statements that may relate to our plans, objectives, goals, strategies, future events, future revenue or performance, capital expenditures, financing needs and other information that is not historical information. Many of these statements appear, in particular, under the headings “Business,” “Management’s Discussion and Analysis of Financial Condition and Results of Operations,” and “Risk Factors.” Forward-looking statements can often be identified by the use of terminology such as “may,” “will,” “should,” “expects,” “intends,” “plans,” “anticipates,” “believes,” “estimates,” “predicts,” “potential,” “continue” or the negative of these terms or other comparable terminology. In addition, any statements or information that refer to expectations, beliefs, plans, projections, objectives, performance or other characterizations of future events or circumstances, including any underlying assumptions, are forward-looking. In particular, these forward-looking statements include, but are not limited to:

- our expectations regarding our further development of, successful application of, and the rate and degree of market acceptance of, our Integrated Drug Creation Platform, including progress towards fully in silico biologic drug discovery;
 - our expectations regarding the markets for our services and technologies, including the growth rate of the biologics and next-generation biologics markets;
 - our ability to attract new partners and enter into technology development agreements that contain milestone and royalty obligations in favor of us;
 - our potential to receive revenue from the achievement of milestones and from royalties on net sales under agreements with our partners with respect to products originating from our Integrated Drug Creation Platform;
 - our ability to enter into license agreements for our existing Active Programs with those partners who do not have current milestone payment and royalty obligations to us;
 - our ability to manage and grow our business by expanding our relationships with existing partners or introducing our Integrated Drug Creation Platform to new partners;
 - our expectations regarding our current and future partners’ continued development of, and ability to commercialize, biologic drugs generated utilizing our platform;
 - our estimates of our expenses, ongoing losses, future revenue, capital requirements and our need for or ability to obtain additional funding before we can expect to generate any revenue;
 - our estimates of the sufficiency of our cash resources;
 - our ability to establish, maintain or expand collaborations, partnerships or strategic relationships;
 - our ability to provide our partners with a full biologic drug discovery and cell line development solution from target to Investigational New Drug application (IND)-ready, including non-standard amino acid incorporation capabilities;
 - our ability to obtain, maintain and enforce intellectual property protection for our platform, products and technologies, the duration of such protection and our ability to operate our business without infringing on the intellectual property rights of others;
 - our ability to attract, hire and retain key personnel and to manage our growth effectively;
 - our expectations regarding use of our cash and cash equivalents, including the proceeds from our initial public offering;
 - our financial performance and that of companies in our industry and the financial markets generally;
 - the volatility of the trading price of our common stock;
-

- our competitive position and the development of and projections relating to our competitors or our industry;
- the potential impact of the ongoing COVID-19 pandemic, including supply chain issues arising from the pandemic and the emergence of new variants of the virus, such as the Omicron and Delta variants, on our business or operations;
- the impact of laws and regulations;
- our expectations regarding the time during which we will be an emerging growth company under the Jumpstart Our Business Startups Act of 2012 (JOBS Act); and
- our expectations about market trends.

We may not actually achieve the plans, intentions, or expectations disclosed in our forward-looking statements, and you should not place undue reliance on our forward-looking statements. Actual results or events could differ materially from the plans, intentions, and expectations disclosed in the forward-looking statements we make. Moreover, we operate in a competitive and rapidly changing environment. New risks and uncertainties emerge from time to time, and it is not possible for us to predict all risks and uncertainties that could have an impact on the forward-looking statements contained in this Annual Report. Our forward-looking statements do not reflect the potential impact of any future acquisitions, mergers, dispositions, collaborations, joint ventures, or investments we may make or enter into.

You should read this Annual Report and the documents that we file with the Securities and Exchange Commission, or the SEC, with the understanding that our actual future results may be materially different from what we expect. The forward-looking statements contained in this Annual Report are made as of the date of this Annual Report, and we do not assume any obligation to update any forward-looking statements, whether as a result of new information, future events or otherwise, except as required by applicable law.

In addition, statements that “we believe” and similar statements reflect our beliefs and opinions on the relevant subject. These statements are based upon information available to us as of the date of this Annual Report, and while we believe such information forms a reasonable basis for such statements, such information may be limited or incomplete. Our statements should not be read to indicate that we have conducted an exhaustive inquiry into, or review of, all potentially available relevant information. These statements are inherently uncertain and investors are cautioned not to unduly rely upon these statements.

Except as otherwise indicated, references in this Annual Report on Form 10-K to “Absci,” the “Company,” “we,” “us” and “our” refer to Absci Corporation and its subsidiaries.

Market and Industry Data and Forecasts

We obtained the industry, market and competitive position data used throughout this Annual Report on Form 10-K from our own internal estimates and research, as well as from industry and general publications and surveys, governmental agencies and publicly available information. Internal estimates are derived from publicly available information released by industry analysts and third-party sources, our internal research and our industry experience, and are based on assumptions made by us based on such data and our knowledge of our industry and market, which we believe to be reasonable. In some cases, we do not expressly refer to the sources from which these data are derived. In that regard, when we refer to one or more sources of this type of data in any paragraph, you should assume that other data of this type appearing in the same paragraph is derived from the same sources, unless otherwise expressly stated or the context otherwise requires. In addition, while we believe the industry, market and competitive position data included in this prospectus is reliable and based on reasonable assumptions, such data involve risks and uncertainties and are subject to change based on various factors, including those discussed in Part I, Item 1A, “Risk Factors” in this Annual Report on Form 10-K. These and other factors could cause results to differ materially from those expressed in the estimates made by third parties or by us.

Trademarks

This Annual Report on Form 10-K contains references to our trademarks and service marks and to those belonging to third parties. Absci®, SoluPro® and SoluPure® are our registered trademarks with the U.S. Patent and Trademark Office. We also use various other trademarks, service marks and trade names in our business, including the Absci logo, ACE Assay, HiPrBind, Bionic Proteins, Translating Ideas into Drugs, Bionic

SoluPro, Integrated Drug Creation, Denovium, and Denovium Engine. All other trademarks, service marks or trade names referred to in this Annual Report on Form 10-K are the property of their respective owners. Solely for convenience, the trademarks and trade names in this Annual Report on Form 10-K may be referred to with or without the ® and ™ symbols, but references which omit the ® and ™ symbols should not be construed as any indicator that their respective owners will not assert, to the fullest extent under applicable law, their rights thereto.

Availability of Other Information about Absci

Investors and others should note that we routinely communicate with investors and the public using our website (www.absci.com) and our investor relations website (investors.absci.com) free of charge, including without limitation, through the posting of investor presentations, SEC filings (including amendments and exhibits to such filings as soon as reasonably practicable after filed with or furnished to the SEC), press releases, public conference calls and webcasts on these websites. The information that we post on these websites could be deemed to be material information. As a result, investors, the media, and others interested in Absci are encouraged to review this information on a regular basis. The contents of our website, or any other website that may be accessed from our website, shall not be deemed incorporated by reference in any filing under the Securities Act of 1933, as amended.

Part I.

Item 1. Business

Our Mission

Our mission is to change the world, one protein at a time. We founded Absci with the goal of creating better medicines and helping them reach patients sooner. We recognized the extraordinary medical and economic potential of protein-based drugs (biologics), but also the significant challenges the biopharmaceutical industry faces to both discover novel biologics and generate cell lines to manufacture them at commercial scale. We looked at the end game – getting better medicines to patients, faster — and asked: how? We built our technology to be that how.

We believe we are replacing the fragmented steps and inefficiencies of the conventional biologic drug discovery and cell line development processes with our fully integrated, end-to-end platform designed to create new and better biologics and accelerate their advancement into clinical trials and ultimately into the marketplace where they can serve patients. Combining innovative approaches, including synthetic biology, high-throughput single-cell screening, and deep learning artificial intelligence (AI), we seek to identify optimal drug candidates by exploring expansive protein sequence solution spaces — including considering sequences that nature's evolutionary trajectory has yet to propose. We believe our platform allows us to expand biological possibilities and generate proteins intractable to produce with other technologies to ensure the best drug candidates have the opportunity to become therapeutic realities for patients. Our goal is to enable the creation of better medicines by Translating Ideas into Drugs.

We believe commercial applications for novel proteins extend far beyond the realm of therapeutics and into other industries including materials science, industrial chemicals, cosmetics, synthetic foods, and agriculture. Today, we are focused on bringing value to the biopharmaceutical industry and generating better medicines. Our near term vision is to enable discovery of novel, targeted biologic drug candidates, and the cell lines to manufacture them, with the click of a button. Looking ahead, we envision a future in which Absci will be the universal engine creating protein-based solutions to advance the bio-based economy, one protein at a time.

Overview

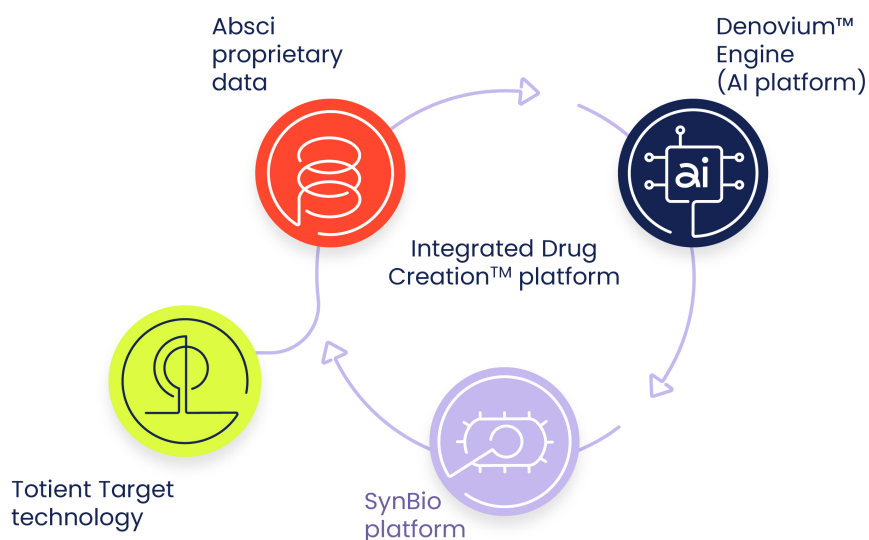
We are a drug and target discovery company harnessing deep learning and synthetic biology to expand the therapeutic potential of proteins. We built our Integrated Drug Creation Platform to identify novel drug targets, discover optimal biotherapeutic candidates, and generate the cell lines to manufacture them in a single efficient process. We believe our approach delivers disruptive efficiency, but more importantly enables our partners to create novel and human/AI-designed new-to-nature biologics (next-generation biologics).

While next-generation biologics have exciting medical potential and are a rapidly growing field of drug development, because their protein architectures (scaffolds or modalities) are biologically foreign, they present challenges for conventional biologic discovery and cell line development methods. These methods typically involve a linear series of steps to screen and select desired molecular parts and reformat them into their final protein scaffold, and subsequent laborious and often unsuccessful generation of a suitable manufacturing cell line. We are transforming the biologic discovery and cell line development process by rapidly screening up to billions of drug candidates in the desired final protein scaffold that goes into patients and in the scalable manufacturing cell line that scales up for clinical and commercial manufacturing.

We couple our powerful deep learning AI models, built to understand and predict determinants of protein function, with our proprietary synthetic biology capabilities, which include high-throughput single cell assays that can evaluate billions of drug sequence variants, each within its production cell line, for target binding affinity, protein quality, and production level (titer). This combination of in silico modeling with wet lab testing allow us to generate immense real-world datasets that we harness to train and refine our deep learning models. These models guide our protein and cell line designs and enable in silico optimization of multiple attributes. In addition, with our “Totient Target” technology, we use machine learning computational methods to evaluate patient tissue samples and, without biological bias, identify disease-relevant fully human antibodies and their disease- and tissue-specific molecular targets. In addition to the direct utility of these antibodies and targets as drug discovery assets, these data comprising antibody-epitope recognition elements expand our AI models' training sets and may improve predictive capabilities for future discovery campaigns.

The virtuous cycle, or flywheel effect, enabled by the cycling of our AI predictions, data generation, and AI training, as illustrated below, is what we believe brings us closer to our vision of fully in silico biologic drug

discovery and cell line generation with every turn. On the way to the realization of that vision, we believe our unique Integrated Drug Creation approach has the potential to significantly accelerate preclinical development timelines and expand therapeutic possibilities for the biopharmaceutical industry.



Our goal is to become the partner of choice for biologic drug discovery and cell line development. As a technology development company, we generate biologic drug candidates and production cell lines for our partners to develop. Our business model is to establish partnerships with biopharmaceutical companies and use our platform for rapid creation of next-generation biologic drug candidates and production cell lines. We classify our applications into two key categories: Discovery and Cell Line Development (CLD). We define “Discovery” as any projects for which we are evaluating variants of the protein-of-interest, which includes generation of the production cell line, and we define CLD as a program for which the production cell line alone is the goal of the partnership. Our partners are responsible for preclinical and clinical testing of biologics generated using our platform. We expect our partnerships to provide us with the opportunity to participate in the future success of the biologics generated utilizing our platform, through milestone payments as well as royalties on sales by our partners of any approved products. We aim to assemble economic interests in a diversified portfolio of partners’ next-generation biologic drug candidates across multiple indications.

As of December 31, 2021, we had drug candidates in twelve Active Programs (across eight current partners’ preclinical or clinical pipelines) for which we have negotiated, or expect to negotiate upon completion of certain technology development activities, license agreements with potential downstream milestone payments and royalties. Eight of these Active Programs are focused on developing production cell lines for drug candidates that our partners (Merck & Co., Inc., Xyphos Biotechnology, an Astellas Company (Astellas), Alpha Cancer Technologies, Inc., PhaseBio Pharmaceuticals, Inc., and other undisclosed biotechnology companies) are developing (five preclinical, one Phase 1, one Phase 3, and one animal health). The remaining four Active Programs comprise Discovery applications, including three Discovery programs through our agreement with EQRx and one lead optimization program with Astellas. We define “Active Programs” as programs that are subject to ongoing technology development activities intended to determine if the program can be pursued by our partner for future clinical development, as well as any program for which our partner obtains and maintains a license to our technology to advance the program after completion of the technology development phase. There is no assurance, however, that our partners will advance any drug candidates that are currently the subject of Active Programs into further preclinical or clinical development or that our partners will elect to license our technologies upon completion of the technology development phase in a timely manner, or at all.

Over the last two decades, biologics have emerged as one of the fastest growing class of drugs, with the Evaluate Pharma data reflecting that they account for approximately \$254 billion in sales worldwide and represent 12 of the top 20 selling therapeutics in 2020. The majority of recently-approved biologic drugs are monoclonal antibodies, but interest and investment are increasingly shifting towards the development of next-generation biologics, which we estimate, based on our analysis of the Evaluate Pharma data, account for 32% of biologics in Phase 1 clinical development today. Despite this increase, we believe that the biopharmaceutical industry remains constrained in pursuing these new biologic modalities because it lacks suitable approaches to efficiently create next-generation biologics. Existing solutions are largely limited to operating within the scope of what nature has already created. They are not adaptable to the full range of possible human-designed scaffolds or to the incorporation of non-standard amino acids (nsAAs) into the protein-of-interest. They do not effectively leverage AI either to derive and apply non-obvious insights across the discovery and manufacturing process development value chain, or to explore potential drug sequences and structures that lie beyond nature's boundaries.

Our Integrated Drug Creation Platform enables novel target identification, and parallel discovery of next-generation biologics and with optimized production cell lines by uniquely incorporating engineered biodiversity, proprietary high-throughput single cell assays, and deep learning AI models. We use our platform to predict, identify, design, construct, screen, select and scale production of biologic drug candidates for our partners, and we learn from the data we generate. Our designs are AI-informed and our technology platform is scaffold-agnostic. Our AI leverages deep learning models that are trained on our growing datasets. Our datasets delineate detailed determinants of protein function and manufacturability across billions of single-cell experiments. Our single-cell experiments are performed in our patented production cell lines.

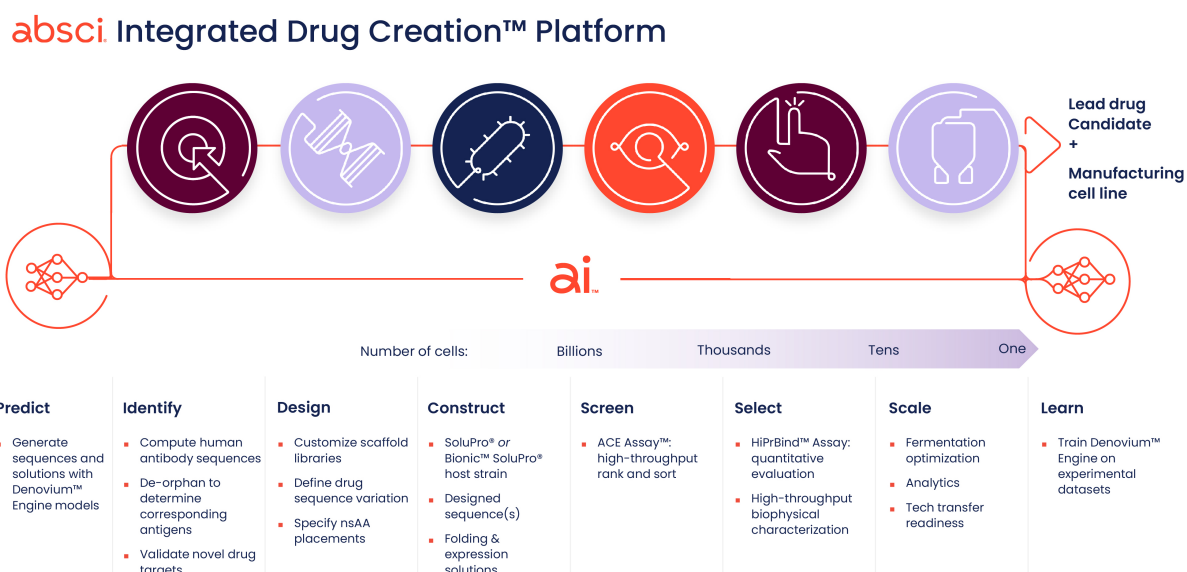
The foundational technologies that power our platform, and generate and harness the Absci proprietary data, are:

- **SynBio Platform:** Our SynBio Platform is our proprietary *E. coli*-based system for high-throughput evaluation of billions of protein sequence and cell line design variants in parallel. With our SynBio Platform technologies we generate novel drug candidates, manufacturing cell lines, and proprietary data that we use to train our AI models. Our SynBio Platform comprises the four core technology elements described below:
 - **SoluPro & Bionic SoluPro:** SoluPro is our patented bioproduction system based on bioengineered *E. coli*. We further engineered our Bionic SoluPro to facilitate site-specific incorporation of nsAAs into what we call Bionic Proteins. We believe our SoluPro cell lines unlock evolutionary opportunities by expanding the biological repertoire of proteins that can be produced to include new-to-nature proteins such as next-generation biologics.
 - **Custom Scaffold Libraries:** We can design and generate up to billions of drug candidate sequence variants for each Discovery program. Our platform creates libraries in any scaffold our partner specifies, whether natural, pre-existing, or newly invented. These drug candidate sequence libraries are custom because they are specifically generated for each program and scaffold. We can also specify nsAA incorporation sites as we design these libraries.
 - **Folding & Expression Solutions:** We curate a diverse collection of folding and expression solutions, which are genetic tools that we use to customize SoluPro and optimize production of the desired protein. We create up to billions of different cell lines and measure each cell's performance to find the solutions that work best for the protein-of-interest.
 - **Breakthrough Assays:** Our proprietary Activity-specific Cell Enrichment (ACE) and High-Throughput Proximity Binding (HiPrBind) Assays allow us to evaluate and sort the millions to billions of drug sequences and cell line variants we generate. Tailored for each of our programs, our high-throughput assays can rank and sort billions of cells based on desired parameters such as target affinity, protein quality, and titer. We capture datasets that have the potential to provide us with highly relevant insights about protein function and manufacturability in our system and beyond.
- **Denovium Engine:** Our "Denovium Engine" is an AI technology that includes deep learning computational models of protein function. The Denovium Engine models, trained on our high-quality data that are particularly relevant to our system, generate non-obvious predictions about the impact

of amino acid sequence and cell line engineering parameters on a given protein's function and manufacturability. In the future, we expect to use AI to inform the identification of drug target, selection of epitope, and choice of drug scaffold, define the scope of sequence variants to generate, and design the cell line attributes. We believe this technology may eventually enable us to optimize complex solution space fully *in silico* without the need to physically screen billions of options.

- Totient Target Technology:** Our computational antibody and target discovery technology is a bioinformatics and machine learning-based platform that allows us to computationally reconstruct sequences of human antibodies and other disease-specific proteins from bulk RNA sequencing (RNA-Seq) data. We can retrospectively select samples from patients who experienced distinct immune responses and assemble sequences of the most highly expressed monoclonal antibodies present in the tissue of interest. We use these antibodies to identify corresponding target proteins (antigens), and thus we uncover both novel and previously recognized immunogenic targets. We are building a library of tissue- and disease-specific target antigens paired with unique human derived antibodies. Our approach is extensible to identifying other disease state-specific macromolecules relevant to therapeutic responses, such as T-cell receptors.

These foundational technologies work together as our Integrated Drug Creation Platform. The diagram below depicts the core activities we accomplish on our platform.



Our process using our Integrated Drug Creation Platform involves the following steps:

- Predict:** We expect to use our Denovium Engine AI models to generate non-obvious predictions about what are likely to be optimal drug candidate sequences and cell line designs for any protein-of-interest. The AI combines the collective learnings available in public databases with our own experimental data specifically documenting protein functionality and manufacturability factors relevant to our system. Importantly, our Denovium Engine considers sequences and solutions that it has not seen before, and it may predict entirely new-to-nature protein scaffold elements and sequence motifs or design new biologic modalities. In addition, with data we produce through computational antibody and target discovery technology, we intend to train our Denovium Engine to predict likely drug targets from antibody or other binding protein sequences.
- Identify:** Starting with disease tissue samples or bulk RNA sequencing data of interest to our partners, we expect to apply our newly acquired computational antibody and target discovery technology to reconstruct sequences of human monoclonal antibodies that are prevalent in the tissue. With our high-throughput expression system and assay technologies, we believe we can rapidly de-

orphan the antibodies, using them as probes to identify their corresponding antigens. Not only are the antigens, whether known or novel, of potential interest as therapeutic targets, but also the fully human antibody sequences themselves may serve as starting points for lead drug candidate design.

- **Design:** Based on the program goals, we design custom libraries of protein-of-interest variants in the desired scaffold architecture and specify any desired nsAA placements. Using our Denovium Engine models, we may recommend modifications to the scaffold architecture, as well as define the scope of protein variation to evaluate options beyond sequences that exist in nature. In addition, we also incorporate designs based on folding and expression solutions predicted as relevant by our Denovium Engine models. This entire step is accomplished *in silico*.
- **Construct:** Using synthetic biology approaches, we construct up to billions of genetically distinct SoluPro or Bionic SoluPro cells to evaluate. Each cell contains the instructions to make one version of the protein-of-interest, as well as a different assortment of folding and expression solutions.
- **Screen:** Our proprietary high-throughput ACE Assay allows us to evaluate and sort up to billions of cells. We collect subsets of the population of cells that express the best versions of the protein-of-interest (hits), based on target binding, protein quality, and titer. We also collect large datasets on the genetic determinants of protein function and manufacturability in our system that we use to train our Denovium Engine models.
- **Select:** With our HiPrBind Assay, using automated multiplexed plate-based methods, we grow micro-batches of each of the thousands of hits from the ACE Assay and perform quantitative characterization of protein function, quality, and titer. We also perform high-throughput biophysical characterization to collect additional data on relevant biophysical attributes that impact developability. We are able to select the best several candidates (leads) in their putative production cell lines for further analytics, as well as collect further data insights to enhance our Denovium Engine models.
- **Scale:** We optimize fermentation conditions for the selected lead strain(s) to demonstrate desired productivity, quality, and scalability. We perform comprehensive analytics on the lead drug candidate(s) for evaluation and technology transfer to our partners.
- **Learn:** Throughout our process, we generate large and complex datasets specifying determinants of protein function and manufacturability. We use these data to train our Denovium Engine to enable its models to make increasingly refined predictions for target identification, drug scaffold sequence variation, and cell line designs. Our goal is to train the deep learning models with enough data to be able to input a sequence of a new drug target, or even bulk mRNA from a patient, and have the model output a unique, optimal drug candidate sequence and cell line architecture that we construct and confirm: a process that we refer to as *de novo* biologic drug creation *in silico*.

Because of the flexibility of our platform, we can partner with biopharmaceutical companies to address specific challenges, or we can open up opportunities to create new modalities and generate lead drug candidates that previously had not been possible. Programs we undertake vary across the range of our capabilities, from novel target identification and *de novo* drug discovery in bespoke scaffolds incorporating nsAAs to development of optimized production systems for existing lead drug candidates. Our goal is to demonstrate the value of our fully integrated approach and expand our work with an increasing number of partners on broad multi-molecule discovery partnerships. We believe we offer a compelling value proposition to our partners by:

- Accelerating timelines from idea to drug candidate;
- Enabling the creation of new biologic modalities;
- Improving the production capability of next-generation biologics;
- Designing better drug candidates; and
- Raising biologics production yields and lowering manufacturing costs.

Our initial focus is on enabling the biopharmaceutical industry by transitioning biologic drug discovery and cell line development processes onto our Integrated Drug Creation Platform and providing access to an

expanded solution space for drug creation. Over time we envision deploying our platform into other industries as we live by our mission of changing the world, one protein at a time.

Impact of COVID-19

We have been dedicated to prioritizing the health and safety of our employees, contractors, vendors and business partners during the COVID-19 pandemic. We continue to monitor federal, state and local laws and regulations to prevent the spread of COVID-19 at our workplace. We are responsive to updated guidance and work directly with local health authorities, as appropriate. We have limited business travel to that which is critical to continuation of our business operations, and encouraged employees to work from home wherever possible. We have implemented comprehensive COVID-19 policies and communicate closely with our employees to ensure such policies are followed.

As a result of the ongoing COVID-19 pandemic, we have experienced minor delays and disruptions to our supply chain. For further discussion of the risks relating to our third-party suppliers, see the section titled "Risk Factors-Risks related to our operations-We rely on a limited number of suppliers or, in many cases, single suppliers, for laboratory equipment and materials and may not be able to find replacements or transition to alternative suppliers on a timely basis, or at all."

Strategy

We believe we represent a new breed of biotechnology company, integrating powerful artificial intelligence with new synthetic biology technologies to create next-generation biologics. We aim to become a partner of choice to both large pharmaceutical companies and biotechnology companies to enable and empower discovery and cell line development capabilities for biologics. We intend to use our Integrated Drug Creation Platform to empower innovation by identifying new targets, creating new modalities, discovering next-generation biologics, driving efficiencies, broadening pipelines, and accelerating preclinical timelines.

Our strategy to accomplish this is as follows:

- **Enable the discovery and development of next-generation biologics and new modalities through our proprietary platform.** Our ability to design, construct and rapidly screen large populations of genetically distinct cells enables us to evaluate billions of unique protein variants and increase the probability of finding the most promising biologic drug candidate. We design and optimize new-to-nature modalities with insights from our Denovium Engine models. We also harness the power of nature, using synthetic biology approaches with our *E. coli* SoluPro strains to produce complex proteins and new modalities. Unlike other biologic drug discovery methods, we evaluate the variants of these desired proteins in the fully-constructed scaffold to enable creation of next-generation biologics while optimizing for target affinity as well as high-titer expression and scalable manufacturability from the beginning of the discovery process. We believe that our platform will empower our partners to bring new and better drugs to market.
- **Accelerate biologic drug discovery and cell line development by unifying these processes as "Integrated Drug Creation."** Our platform integrates multiple steps across the biologic drug discovery and cell line development process and our foundational technologies that power our Integrated Drug Creation Platform improve efficiencies at each step. Our approach also has the flexibility to address challenges at specific points in the biologic drug discovery and cell line development process and enable our partners to pursue more efficient biologic drug discovery across expanded solution spaces. By accessing our platform, infrastructure and expertise, our partners have the potential to eliminate extended timelines, reduce costs associated with setting up biologic drug discovery applications and cell line process development, and advance their preclinical programs more efficiently.
- **Drive rapid adoption by becoming a partner of choice for large pharmaceutical companies and biotechnology companies.** Many large pharmaceutical companies and biotechnology companies are seeking a partner with technologies, resources and teams to enable next-generation biologic drug discovery and execute on early stage preclinical programs. We strive to form strong partnerships across our target partner base and to drive rapid market adoption through increased business development activities designed to gain new partners and expand our existing partnerships to cover additional programs. We believe our innovative approach and ability to create better biologics faster, along with the scalability of our platform, will enable us to build a diversified

portfolio of potential milestone revenues and royalty streams from a variety of next-generation biologics across multiple indications.

- **Advance the promise of *in silico* drug creation by leveraging proprietary data and AI.** Our Denovium Engine AI learns with each new program we undertake. We are enhancing the predictive power of Denovium by training its deep learning models with our unique multi-dimensional data sets. With enough data and iterations, we aim to achieve *in silico* creation of novel drug candidates with desired pharmacologic attributes, in bespoke scaffolds, along with high titer production cell lines. With our Totient Target technology we are expanding the content of our training datasets to develop models that understand immune protein interactions and determinants of antibody-antigen specificity. Our Denovium AI technology is the link that correlates business scale with speed and precision. The more partners we have, the more data we generate, the more our Denovium Engine learns. As our Denovium Engine gets smarter, we can create new and better biologic constructs for our partners faster.
- **Continuously invest in our platform to push the boundaries of science and unlock the untapped power of biology.** We intend to maintain our technological differentiation through investments in teams and technologies, and to continue bolstering our capabilities in areas such as bioinformatics, molecular sciences, biology and chemistry, computation, and protein engineering. We expect to grow and enhance our intellectual property portfolio to protect and secure the value of our innovations. Similar to our acquisitions of Denovium, Inc. and Totient, Inc., we believe we will continue to evaluate strategic technology acquisitions that would be additive to expand and strengthen the capabilities of our platform and deepen our expertise in biologic drug discovery and cell line development.
- **Maintain an entrepreneurial, founder-led, scientifically rigorous, data-driven and inclusive corporate culture.** Our founder-led team lives by the mantra: “*believe in the impossible.*” We are disrupting the pharmaceutical industry with bold ideas and fulfilling the promise of life-saving medicines for patients by Translating Ideas into Drugs. Each of our team members brings their energy, expertise, and enthusiasm to bear as we pursue the shared mission of changing the world, one protein at a time.

Industry

Over the last two decades, biologics have been at the forefront of medical advances in a wide range of disease areas including oncology, immunology, infectious and metabolic disease, and many more. Biologics have emerged as one of the fastest growing class of drugs. According to publicly available data aggregated by Evaluate Pharma, the global protein-based biologics market, which we define as including monoclonal antibodies (mAbs), monoclonal antibody conjugates and recombinant products, reached approximately \$254 billion in 2020 and is expected to reach \$418 billion by 2026, representing a compound annual growth rate of approximately 9%.

Fueled by the medical promise of protein-based drugs, the biopharmaceutical industry has continued to expand its horizons in terms of the different diseases targeted by biologic drug developers as well as the design and different modalities of biologics. The desire by drug developers to manipulate biological mechanisms to fight diseases, explore targets that have not yet been addressed, and succeed in conquering difficult-to-drug targets has led to the development of increasingly complex biologic modalities and the emergence of the field of next-generation biologics. As we define them, next-generation biologics comprise a broad class of new protein-based modalities designed by scientists rather than found in nature. They include modified antibodies such as antibody-drug conjugates and bispecific mAbs, scaffolds based on antibody parts such as Fabs, scFvs, and VHHs, hybrid fusion proteins including T-cell engagers, multivalents, cytokine derivatives, and biologics incorporating nsAAs, and any other new-to-nature protein-based drug imaginable. According to our analysis of Evaluate Pharma data, next-generation biologics currently make up approximately 32% of the Phase 1 protein-based biologics in development.

Established methods for biologic drug discovery and cell line development

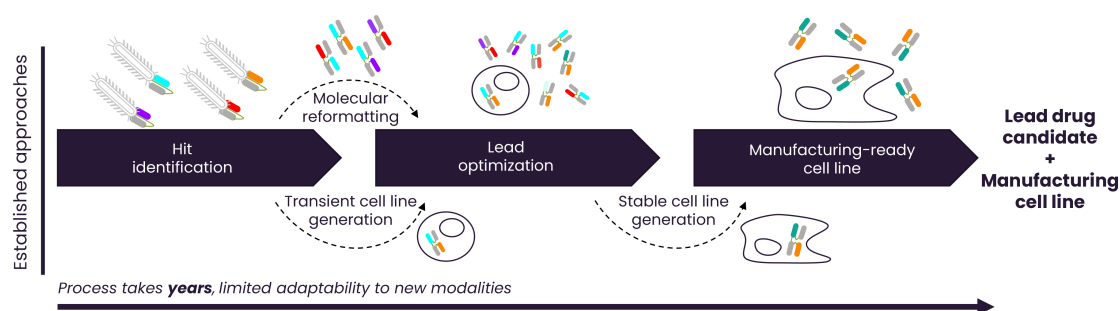
The biologics industry has experienced significant growth and technology advancement, but the process of developing a clinical stage-ready biologic drug candidate remains complex, inefficient, and failure-prone, and is typically accomplished through an assembly of isolated technologies. Generating a clinical stage-ready

candidate includes two broad sets of technology development processes: biologic drug discovery and cell line development.

Conventional Biologic Drug Discovery: Given a target, conventional methods for biologic drug discovery involve fishing for “hits” that bind the target using methods such as phage display, yeast display or immune cell screening. Unless the hits are already in the desired scaffold, they then must undergo a molecular reformatting step to incorporate the hits into the desired scaffold. It is only once assembled that these “leads” can be evaluated. This reformatting is a low throughput one-by-one process that is prone to challenges such as loss of target specificity once the hit is reformatted into the lead scaffold, or inability to make enough of the lead to even evaluate its promise as a drug candidate. The discovery process, including screening, reformatting, and lead optimization, occurs across several technologies outside of the eventual production cell lines.

Conventional Cell Line Development: Biologics must be biologically synthesized in bespoke cell lines, rather than chemically synthesized like small molecule drugs. Development of cell lines suitable for manufacturing at scale is undertaken only after lead candidates have been selected using transient cell lines for expression. With conventional methods, stable manufacturing cell line development involves introducing a lead candidate into the host cell line, typically Chinese Hamster Ovary (CHO) cells, and then laboriously optimizing conditions and strain characteristics for scalable production of the new drug candidate, if possible. The limited adaptability of CHO cell lines and engineering challenges have constrained the scope of protein-based drugs that can be successfully developed. This can be particularly true for next-generation biologics, which may be impossible to produce with conventional approaches.

The below diagram illustrates the general steps of established approaches for biologic drug discovery and manufacturing cell line development:



Limitations of existing approaches

With conventional fragmented approaches, preclinical timelines are extensive. According to a 2010 publication in *Nature Reviews Drug Discovery* authored by Paul and colleagues, the time from target discovery to IND was estimated at approximately 5.5 years. Moreover, the authors concluded that failure rates are high, with roughly only one in three lead drug candidates advancing to clinical testing in patients. For those drug candidates that do enter Phase 1 testing, the same publication estimated that 12% go on to receive marketing authorization, taking another eight years to do so. We believe that these long timelines and high failure rates are reflective of an industry reliant on aging systems and processes. It is our view that existing approaches are burdened by the design constraints of their technologies' evolution, with the current processes representing the culmination of many iterations on the first technologies employed by the industry. New technologies may be tacked on to add incremental expansion of capabilities, but on the whole, the biologic drug discovery and cell line development processes remain fragmented and reliant on legacy component tools. This fragmentation of the processes discourages innovative potential, especially since the current approaches are not readily adaptable to development of next-generation biologics.

We believe the industry suffers from the following challenges and limitations of existing solutions:

- **Current methods involve fragmented steps and a patchwork of outdated technologies; new technologies generally focus on isolated steps and do not integrate the processes.** We believe drug developers primarily use legacy technologies and fragmented processes to accomplish discrete steps in either biologic drug discovery or cell line development. Moving between steps in the process and different technologies may not be seamless, introducing inefficiencies and creating

insurmountable hurdles to advancement of a promising drug candidate. While new technologies and new methods for hit identification or cell line development have been commercialized, these methods do not allow for discovery screening to be performed while the candidate is in its production cell line and therefore cannot enable discovery of a new biologic in parallel with generating its production cell line. As a result, even with updated technologies, established methods contribute to long development timelines and low probabilities of success.

- **Commercially available biologic drug discovery platforms are generally constrained as to the types of biologic modalities they can explore.** We believe that most of the current approaches to biologic drug discovery impose technological and biological limitations as to the nature of proteins that can be evaluated. High diversity and high-throughput methods are primarily capable of identifying target specificity of small protein fragments or variants of native mammalian proteins. Consequently, newly-designed proteins in novel scaffolds generally require laborious “one by one” evaluation and/or screening by parts and then iterative assembly into the full scaffold. Similarly, conventional methods do not facilitate efficient discovery of new-to-nature proteins that incorporate nsAAs, a desirable feature for post purification chemical modifications. Constraints on the nature of screenable proteins limit the breadth of opportunities for discovery, and may result in suboptimal lead candidates, extended timelines and susceptibility to failure at different steps throughout the process.
- **Current approaches to biologic drug production are not readily adaptable to novel protein modalities.** Proteins require biological assembly by cellular machinery. Developers of more complex biotherapeutics such as monoclonal antibodies have adapted CHO cells to be reasonably adept bioproduction hosts. However, generation of a CHO cell line to produce any new biologic is not trivial, and an adequate cell line generally takes a year or more to develop. In addition, CHO systems have limited flexibility to produce next-generation modalities; the mammalian cells are difficult to engineer and are not adapted or adaptable to make new-to-nature proteins such as those built in novel scaffolds or incorporating nsAAs. The challenge of generating high-titer manufacturing cell lines is a critical impediment to advancing many novel biologic drug candidates into and through clinical development.
- **Current approaches do not leverage artificial intelligence to explore beyond opportunities within nature.** The scale and complexity of proteins present significant challenges for developing biotherapeutics. There are more potential protein variants than can ever be evaluated even with the highest throughput approaches. While some computational insights are being gained from experimental observations, there are few if any existing biotherapeutic drug design approaches that make impactful use of high-throughput data in combination with machine learning. We believe there is lost opportunity to train and use deep learning models to predict promising new proteins that lie outside the bounds of what already exists in nature or even what human intelligence can rationally design. The biopharmaceutical industry is still in the early days of augmenting human efforts with artificial intelligence, operating within the bounds of sequence similarities to natural precursors, even when considering functional impact.
- **Existing production organisms, or systems, can be inefficient and costly.** The vast majority of biopharmaceutical production processes today rely on CHO cell systems. The ongoing drug product costs of operating CHO cell bioproduction processes are high due to the nature of the cells’ growth characteristics and requirements. As reported by Tripathi and Shrivastava in *Frontiers in Bioengineering and Biotechnology* (2019), CHO cells grow slowly and at low densities, so a single production run generally requires 10 to 14 days of growth in the bioreactor, which limits batch cycles and plant flexibility. The overall productivity of a CHO cell line producing a drug candidate at a 5 gram/liter titer may be less than half a gram per liter per day on average due to the extended growth cycle. Costly growth media and the requirement for downstream viral clearance steps also contribute to the high cost of CHO processes.

As a result of these limitations, we believe the biopharmaceutical industry can benefit from a newly-designed approach that incorporates the best current technologies and AI to accomplish the goal of discovering and advancing promising new biologic drug candidates into clinical development as quickly as possible.

Our Integrated Drug Creation Platform

We built our Integrated Drug Creation Platform to create next-generation biologics including those that lie beyond the scope of nature. To achieve this, we leverage synthetic biology technologies, engineered biodiversity, proprietary functional assays and data-driven deep learning computational models to discover novel disease- and tissue-specific drug targets and next-generation biologic drug candidates while generating optimized production cell lines in parallel. Our platform enables functional evaluation of billions of variants of desired proteins, including complex biologic drug candidates, with simultaneous generation of scalable production cell lines, all in a time- and cost-effective manner. We screen in the desired scaffold format and in the scalable manufacturing cell line. We believe our platform is the only commercially available solution with this capability, enabling costly and lengthy processes to be collapsed into one integrated step.

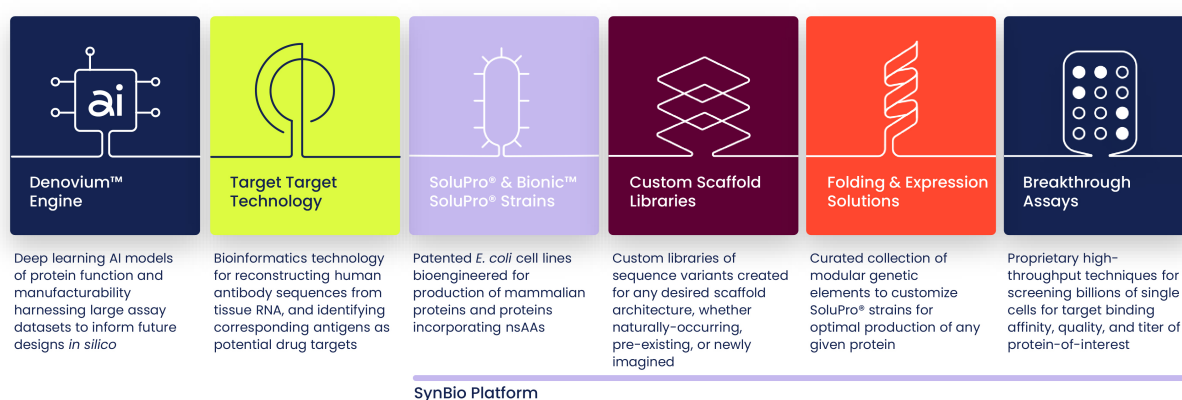
We use our platform to predict, identify, design, construct, screen, select and scale production of biologic drug candidates for our partners, and learn from the data we generate. Our designs are AI-informed and our technology platform is scaffold-agnostic. Our AI leverages deep learning models that are trained on our growing datasets. Our datasets delineate detailed determinants of protein function and manufacturability across billions of single-cell experiments. Our single-cell experiments are performed in our patented production cell lines.

The foundational technologies that power our platform, and generate and harness the Absci proprietary data, are:

- **SynBio Platform:** Our SynBio Platform is our proprietary *E. coli*-based system for high-throughput evaluation of billions of protein sequence and cell line design variants in parallel. With our SynBio Platform technologies we generate novel drug candidates, manufacturing cell lines, and proprietary data that we use to train our AI models. It comprises the four core technology elements described below:
 - **SoluPro & Bionic SoluPro:** SoluPro is our patented bioproduction system based on bioengineered *E. coli*. Using synthetic biology techniques, we designed SoluPro to be our chassis cell line. We believe our SoluPro unlocks evolutionary opportunities by expanding the biological repertoire of proteins that can be produced to include complex new-to-nature proteins such as next-generation biologics. We further engineered a version of SoluPro to facilitate site-specific incorporation of nsAAs into proteins for scaled production. We refer to these nsAA-containing proteins as Bionic Proteins and the SoluPro strain we use to produce them as Bionic SoluPro.
 - **Custom Scaffold Libraries:** We can design and generate custom collections of drug candidate sequence variants for each Discovery program, starting with whatever scaffold our partner specifies, whether natural, pre-existing, or newly-invented, and building out up to billions of different versions to test. These libraries are specifically generated for each program and scaffold, and our AI predictions coupled with our ability to generate libraries in any given scaffold allow us to consider relevant variants that nature could not have proposed. We can also specify nsAA incorporation sites as we design these libraries.
 - **Folding & Expression Solutions:** We curate a diverse collection of folding and expression solutions, which are genetic tools that we use to customize SoluPro and optimize production of the desired protein. Each protein we work on has different characteristics when it comes to manufacturability factors, and with the folding and expression solutions parts library and our synthetic biology methods, we create up to billions of different cell lines and measure each cell's performance to find the solutions that work best for the protein-of-interest. The folding and expression solutions collectively comprise an expansive set of genetic modules and techniques we have assembled including ribosome binding site sequences, molecular chaperones, and codon-optimization conventions.
 - **Breakthrough Assays:** Our proprietary ACE and HiPrBind Assays allow us to evaluate and sort the millions to billions of drug sequence and cell line variants we generate. Tailored for each of our programs, our high-throughput assays can rank and sort billions of cells based on desired parameters such as target affinity, protein quality, and titer. We are also able to capture datasets correlating protein sequence variants and folding and expression solutions with cell line characteristics. These large, highly complex datasets have the potential to provide us with highly relevant insights about protein function and manufacturability in our system and beyond.

- **Denovium Engine:** Our Denovium Engine is an AI technology that includes deep learning computational models of protein function. The Denovium Engine models, trained on our high-quality data that are particularly relevant to our system, generate non-obvious predictions about the impact of amino acid sequence and cell line characteristics on a given protein's function and manufacturability. A deep learning neural network approach is well-suited to our complex datasets because the models learn what is relevant to the specific objective, without human annotation or bias. We expect the capabilities of the Denovium Engine to grow with each new set of data we generate and input. In the future, we intend to use AI to inform the identification of drug target, selection of epitope, and choice of drug scaffold, define the scope of sequence variants to generate, and design the cell line attributes. We believe this technology may eventually enable us to optimize complex solution space fully *in silico* without the need to physically screen billions of options.
- **Totient Target Technology:** Our computational antibody and target discovery technology is a bioinformatics and machine learning-based platform that allows us to reconstruct sequences of antibodies and other disease-specific proteins from bulk RNA-Seq data. We can retrospectively select samples from patients who experienced distinct immune responses and assemble sequences of the most highly expressed monoclonal antibodies present in the tissue of interest. We use these antibodies to identify corresponding target proteins (antigens), and thus we uncover both novel and previously recognized immunogenic targets. We are building a library of tissue- and disease-specific target antigens paired with unique fully human antibodies. Our approach is extensible to identifying other disease state-specific macromolecules relevant to therapeutic responses, such as T-cell receptors.

absci Foundational Technologies



We perform our process using our Integrated Drug Creation Platform to predict biologically interesting variants, identify novel disease targets, design custom libraries of sequence variants, construct diverse populations of cells with these libraries and our folding and expression solutions, screen and sort these cells based on our desired criteria, select lead drug candidate/cell line combinations having the desired functionality and manufacturability qualities, optimize these leads for scaled manufacturing readiness, and learn by feeding data from our multitude of single cell experiments into our AI models to continually refine our predictions. Our process using our Integrated Drug Creation Platform includes the following steps:

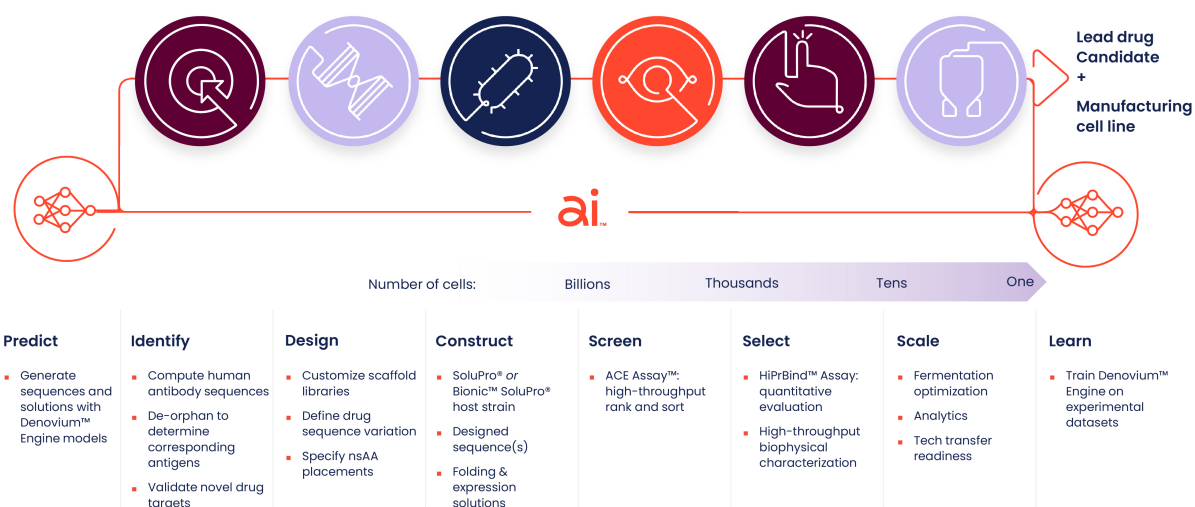
- **Predict:** We expect to use our Denovium Engine AI models to generate non-obvious predictions about what are likely to be optimal drug candidate sequences and cell line designs for any protein-of-interest. The AI combines the collective learnings available in public databases with our own experimental data specifically documenting protein functionality and manufacturability factors relevant to our system. Importantly, our Denovium Engine considers sequences and solutions that it has not seen before, and it may predict entirely new-to-nature protein scaffold elements and sequence motifs or design new biologic modalities. In addition, with data we produce through

computational antibody and target discovery technology, we intend to train our Denovium Engine to predict likely drug targets from tissue-derived antibody or other binding protein sequences.

- **Identify:** Starting with disease tissue samples or bulk RNA-Seq data of interest to our partners, we expect to apply our newly acquired computational antibody and target discovery technology to reconstruct sequences of human monoclonal antibodies that are prevalent in the tissue. With our high-throughput expression system and assay technologies, we believe we can rapidly de-orphan the antibodies, using them as probes to identify their corresponding antigens. Not only are the antigens, whether known or novel, of potential interest as therapeutic targets, but also the fully human antibody sequences themselves may serve as starting points for lead drug candidate design.
- **Design:** Based on the program goals we design custom libraries of protein-of-interest variants in the desired scaffold architecture and specify any desired nsAA placements. This entire step is accomplished *in silico*, and we incorporate predictions our Denovium Engine models have extracted from our proprietary datasets to improve our designs. We design the synthetic biology components at the DNA level, including gene(s) for the protein-of-interest that will encode the potential future drug candidates. We design custom plasmid libraries for each program we undertake. Plasmids are the carriers of the DNA for the protein-of-interest that will ultimately be delivered into the cell line. We may start with a generic DNA sequence for the desired scaffold and, using our AI predictions, define the parameters of the sequence variation to be evaluated for discovery and/or any targeted nsAA placements. Having designed the gene-of-interest sequences, we augment the computational plasmid designs with a random assortment or selected range of our synthetic biology folding and expression solutions that are included to impart characteristics to the cell lines that optimize production of the protein-of-interest.
- **Construct:** Using synthetic biology approaches, we construct up to billions of genetically distinct SoluPro or Bionic SoluPro cells to evaluate. Each cell contains the instructions to make one version of the protein-of-interest, as well as a different assortment of folding and expression solutions. We synthesize the designed plasmid libraries and deliver them into our host organism, creating a large population of these host cells for screening. These populations of distinct plasmids modify our base SoluPro strains and generate a large population of genetically distinct cells. The population of cells is cultivated under manufacturing-relevant fermentation conditions to induce production of the protein-of-interest for screening.
- **Screen:** We screen this large population of cells for the desired characteristics using our proprietary ACE Assay, which enables rapid identification of hits from large genetically diverse populations of cells. The ACE Assay is a binding-based assay that allows us to sort SoluPro cells based on protein-of-interest functionality (such as target affinity) as well as expression level (titer). To accomplish this, we introduce fluorescently labeled binding targets (e.g., the antigen against which we are trying to develop a drug) and use fluorescence activated cell sorting (FACS) to evaluate and sort each cell based on how brightly it fluoresces. Using proprietary methods, we correlate the fluorescent signal with the quantity, quality, and function of the protein-of-interest, and thus we utilize the ACE Assay to characterize millions or billions of independent strains and collect the desired variants based on the parameters we set. In this way we are quickly able to identify the most promising subset of cells from among millions or billions. Our ACE Assay is compatible with a diverse range of protein modalities, including next-generation biologics. We are also generating billions of data points describing sequence modifications and combinations of folding solutions contributing to protein affinity, solubility and manufacturability that we use to train our Denovium Engine deep learning model.
- **Select:** We use our proprietary HiPrBind Assay to select the best leads from among the screened hits. For expanded clonal populations of each of the hits identified we can quantitatively evaluate and characterize functional parameters of the protein-of-interest such as target binding affinity, titer, and product quality. Our proprietary techniques allow us to discriminate between full length properly folded protein and any other improperly folded or incomplete product-related impurities, in a fully quantitative manner, and again collect the data for training the Denovium Engine models. Like the ACE Assay, the HiPrBind Assay is designed to be readily adaptable to a diverse range of protein modalities. We also perform high-throughput biophysical characterization to collect additional data on relevant biophysical attributes that impact developability. We are able to select the best several candidates (leads) in their putative production cell lines for further analytics, as well as collect further data insights to enhance our Denovium Engine models.

- Scale:** We optimize fermentation conditions for the selected lead strain(s) to demonstrate desired productivity, quality, and scalability. Having narrowed the cell population down from millions or billions to closer to a dozen, we employ several banks of state-of-the-art 250 mL fed batch fermenters to perform fermentation process optimization using design of experiments (DOE) methodologies to identify scalable production processes. To generate purified material for internal analytics and evaluation by our partners, we use standard chromatography purification methods to make small batches of protein-of-interest from the selected strains. We perform comprehensive protein analytics to evaluate product quality and purity, and we generate cell banks and documentation suitable for technology transfer to partners or the contract manufacturers they specify.
- Learn:** Throughout our process, we generate large and complex datasets specifying determinants of protein function and manufacturability. We use these data to train our Denovium Engine to enable its models to make increasingly refined predictions for target identification, drug scaffold sequence variation and cell line design. Our goal is to train the deep learning models with enough data to be able to input a sequence of a new drug target, or even bulk mRNA from a patient, and have the model output a unique, optimal drug candidate sequence and cell line architecture that we construct and confirm: a process that we refer to as de novo biologic drug creation in silico.

abs-ci Integrated Drug Creation™ Platform



Applications of our Integrated Drug Creation Platform

Our platform is flexible, and we are able to onboard a given program at multiple points in the biologic target identification, drug discovery, and cell line development process. Starting with a given target and a desired scaffold format for an eventual drug candidate, we may perform comprehensive de novo biologic drug discovery through to cell line development. We may enhance discovery opportunities with our partners by building new scaffolds and designing new molecules to incorporate nsAAs to facilitate post-purification chemical modifications. We may further expand program scope to start with target identification activities incorporating our Totient Target technology. We may also design and optimize a high titer production cell line for a partner's already-established lead drug candidate. We classify our applications into two key categories: Discovery and CLD. Since we deliver a production cell line for each of our projects, we define Discovery as any projects for which we are evaluating variants of the protein-of-interest, and we define CLD as a program for which the production cell line alone is the goal of the partnership.

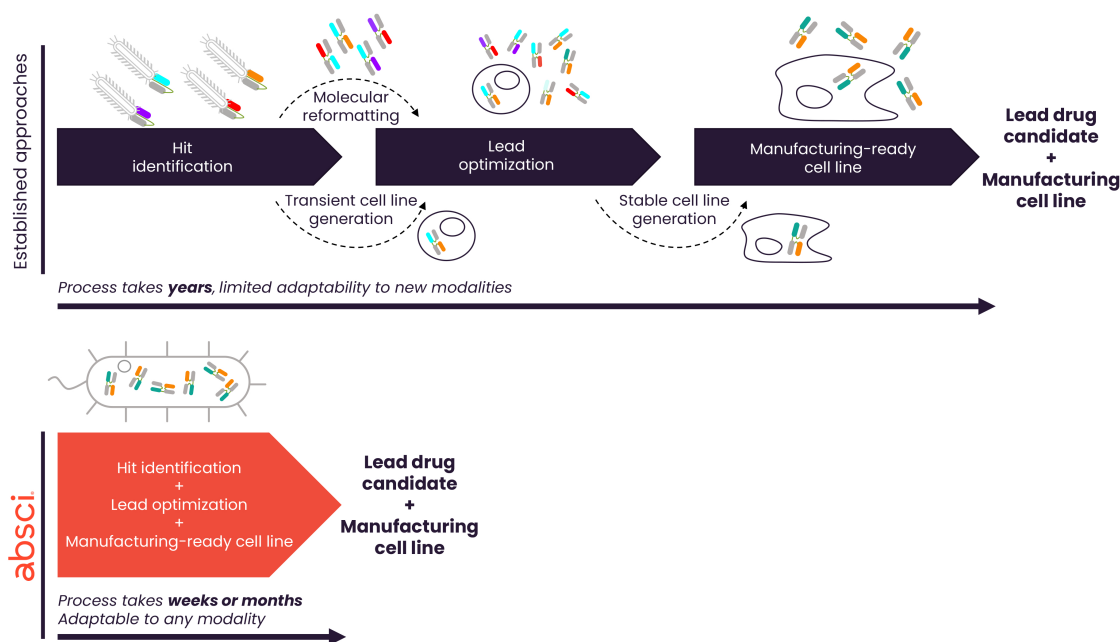
- Discovery:** We commercially launched our initial Discovery applications in December 2020, and to date we have one Discovery program underway for lead optimization. Discovery involves screening for lead drug hits directed to the desired target; the target may be provided by a partner or identified using our computational antibody and target discovery technology. Unlike other commonly used screening methods used for biologic drug discovery, we are screening for hit variants in the complete

scaffold, not a domain fragment to be subsequently reformatted. We also screen in production cell line variants. Our Discovery applications are scaffold-agnostic. Whether we are screening variants of an antibody, a T-cell engager, a multivalent Fc-fusion, or any other human- or AI-designed modality, our platform is adaptable to simultaneously optimize for functionality and manufacturability of lead candidates. We believe there is no other commercially available solution that enables comprehensive scaffold-agnostic drug discovery in the desired scaffold format. The Discovery applications that we currently or in the future expect to address with our Integrated Drug Creation Platform are the following:

- *Novel target identification* - From tissue samples that are of particular therapeutic interest, we identify prevalent immune-response molecules such as antibodies along with the corresponding antigens, offering new therapeutic targets as well as cognate binding partners for further validation. Whatever the desired biologic modality, we can design, construct, and select the appropriate sequence for lead drug development. And we create an optimized production cell line.
- *Scaffold design and drug platform development* - We are uniquely capable of assembling and producing new-to-nature next-generation biologic scaffolds. We may therefore empower our partners with the ability to execute on theoretical modalities, creative fusions, and multivalent molecular hybrids. Within the context of those assembled scaffolds we can evaluate variants to discover new drug candidates designed for optimal target affinity and other desired characteristics. And we create optimized production cell lines.
- *De novo discovery* - We may perform *de novo* discovery by starting with a desired scaffold format for the desired drug and creating a library of relevant sequence variants that will establish the target specificity (e.g., CDR regions of antibody). And we create an optimized production cell line.
- *Bionic Protein creation (nsAA incorporation)* - We may engineer a signal into the gene encoding the drug candidate that directs incorporation of an nsAA into the growing protein chain in a site-specific manner. The nsAA provides a handle for chemical modifications including glycosylation, PEGylation, ADC-payload conjugation, and novel branched proteins and chemical conjugates. And we create an optimized production cell line.
- *Human antibody discovery* - From our catalog of human-derived antibody sequences we are building a collection of unique fully-human monoclonal antibodies with specificity for validated targets of interest. We may optimize monoclonal antibodies or next-generation biologics derived from these sequences as lead drug candidates in partnered programs. And we create an optimized production cell line.
- *Lead optimization* - We may start with drug discovery leads and introduce modifications into the sequences to evaluate variants for improved target affinity, manufacturability, and other pharmacologic characteristics. Thus we can optimize leads that our partners may advance through preclinical development. And we create an optimized production cell line.
- **Cell Line Development:** We launched our CLD applications in 2018, as our first commercial offering, and all but one of our ongoing programs are for CLD. We classify a program as CLD only when the production cell line alone is the goal of the partnership, or in other words, when the sequence of the lead drug candidate is locked in. Fundamentally, the process utilizing our Integrated Drug Creation Platform is the same as for our Discovery programs, except that the plasmid libraries we design include a fixed lead drug sequence, with variation limited to the assortment of the folding and expression solutions. Screening and selection steps are aimed at identifying the cell lines with highest titer expression of the drug candidate. Partners typically have come to us with late-preclinical or clinical-stage next-generation biologics for which they have not been able to develop a manufacturing process or for which an existing manufacturing process is poorly performing. As we succeed in these CLD programs, we believe we enable the advancement of next-generation biologic candidates that otherwise would not proceed in development due to manufacturability challenges.

Advantages of our Integrated Drug Creation Platform

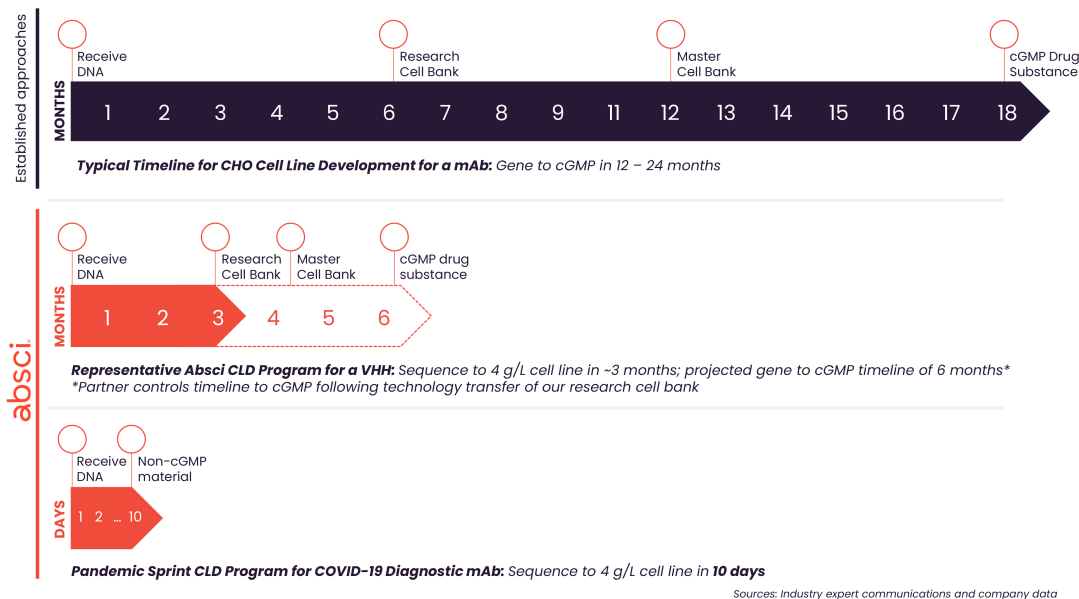
Our platform integrates biologic drug discovery and cell line development processes, accomplishing these activities in parallel rather than sequentially, as illustrated relative to established approaches in the figure below.



We have designed our Integrated Drug Creation Platform to provide the following potential benefits for our partners:

- **Accelerated timelines from idea to drug candidate:** Our platform integrates biologic drug discovery and cell line development, collapsing time-consuming fragmented activities into one integrated process. Because from the start we screen for hits *in* the desired scaffold format and *in* the cell line that will scale up for manufacturing, we can bypass common failure points and avoid the need for molecular reformatting or subsequent cell line development. We optimize drug candidate properties and cell line performance in parallel from the outset of the project. We leverage our Integrated Drug Creation Platform and foundational technologies to accelerate novel target identification, biologic drug discovery, and cell line development timelines, whether we start with a lead candidate for which a partner needs a cell line, a new target against which a partner wants to create a next-generation drug candidate, or a scope that falls somewhere in between. Depending on the complexity of the project and the priorities specified by the partner, we can create a cell line for a defined biologic in as little as 10 days. Our timelines for CLD may enable transition from gene to production of material designed to comply with current good manufacturing practice (cGMP) requirements in six months, versus one to two years for standard CHO cell line development. Because

our discovery occurs in the same process, we expect to meet similar timelines with our Discovery programs. Our timelines relative to industry standards are depicted in the figure below.



- Creation of new biologic modalities:** Our Discovery applications are scaffold-agnostic. We use a synthetic biology approach and harness the power of nature using our SoluPro strains, which we have bioengineered to produce complex proteins rapidly and effectively. Utilizing our Integrated Drug Creation Platform, we specialize in creating new biologic modalities, discovering next-generation biologics in engineered scaffolds, and creating Bionic Proteins that incorporate nsAAs. Unlike other biologic drug discovery methods, from our initial screens we are looking for hit variants *in* the fully-constructed scaffold, not a domain fragment to be subsequently reformatted. By screening in the fully assembled molecular format and *in* the scalable production cell line, any leads we identify are designed to be readily manufacturable. Thus, we expect to enable entirely new biologic opportunities and reduce frustrating and costly preclinical failures that impede advancement of new-to-nature next-generation biologics.
- Efficient production of complex biologics:** We have bioengineered our SoluPro strains to excel at producing a wide variety of complex proteins. SoluPro overcomes the challenges encountered in using *E. coli* strains to synthesize complex biologics that first led the industry to turn to CHO cells. With our Integrated Drug Creation Platform, we deploy our synthetic biology toolkit and our folding and expression solutions libraries to customize the scaffold-agnostic base SoluPro strains to enable high titer production of the proteins we address. We are not restricted to making proteins that look like proteins found in nature; our SoluPro strains are readily adaptable to making biologics in new scaffolds or incorporating nsAAs. Because of the scope and throughput of our assays, we can evaluate millions or billions of potential strains to efficiently identify configurations of folding and expression solutions that confer optimal protein production performance.
- Design of better drug candidates based on AI predictions:** We use deep learning artificial intelligence models trained on our proprietary datasets as well as functional characteristics of millions of proteins represented in public databases to design new drug candidates to have desired pharmacologic performance without constraining ourselves to what nature has already discovered. We evaluate up to billions of distinct cell lines for each project. In addition to identifying the best performing drug sequences and cell lines, we are also generating immense datasets with the goal of substantiating and differentiating the relevant from the irrelevant, the optimal from the contraindicated, in the solution space of target specificity, drug sequence variation, and folding solutions. We harness this evidence to progressively train our deep learning Denovium Engine, which then outputs progressively more relevant and valuable predictions to direct our synthetic constructions. We believe this highly specialized deep learning approach is differentiated by both the technology that underpins the Denovium Engine and the proprietary data we feed it. Our Denovium

Engine models enable multi-parameter predictions and simultaneous optimization of attributes in parallel, making predictions that solve for desired attributes such as bioavailability, stability, immunogenicity, as well as target affinity and manufacturability. We believe that insights we achieve through the integration of deep learning will ultimately help identify the new drug candidates with the best chances for clinical success.

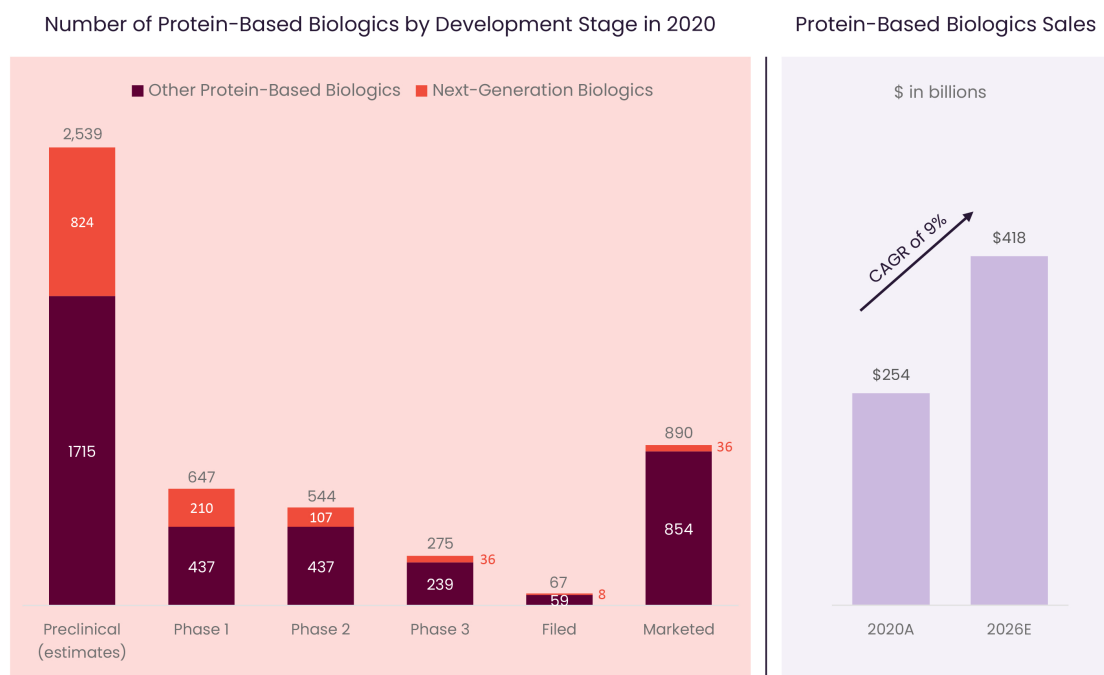
- **Increase manufacturing productivity and reduce costs:** Beyond the savings afforded by reduced failure rates and accelerated timelines, we believe our SoluPro cell lines' high productivity can translate into significant reductions in drug substance cost of goods. We estimate that biologic drug substance cost of goods saving could be on the order of 50% relative to CHO production systems, the most widely used system in the biopharmaceutical industry today. As discussed by Tripathi and Shrivastava in "Recent Developments in Bioprocessing of Recombinant Proteins: Expression Hosts and Process Development" in *Frontiers in Bioengineering and Biotechnology* (2019), and according to our experience, the primary determinant is the rapid and high-density growth of *E. coli* SoluPro relative to CHO cell lines; the SoluPro bioreactor growth cycle time is 1-2 days, as compared to 10-14 days for CHO cell lines. Given cell lines that achieve comparable protein production titers in SoluPro and CHO systems, the SoluPro system's productivity would be roughly 5-10 times that of the CHO system on a grams per liter per day basis. In addition, SoluPro has other advantages associated with the use of *E. coli* as a biomanufacturing organism. In particular, its growth media ingredients are lower cost relative to the media required for mammalian cells, viral clearance studies are unnecessary, and heterogeneous glycosylation patterns do not hamper drug product quality or characterization.

Our Market

Our market opportunity is driven by the number of biologic candidates we generate and the successful development and commercialization of these candidates by our partners. As reflected in the Evaluate Pharma data, there are currently 1,250 companies involved in developing and marketing over 4,950 protein-based biologics, which we define as including candidates categorized as monoclonal antibodies (mAbs), monoclonal antibody conjugates (ADCs), and recombinant products (comprising novel fusion proteins as well as numerous conventional recombinant proteins, peptides, and hormones), but excluding those categorized as cell therapies, DNA and RNA based therapies, gene therapies, plasma-derived therapies, and vaccines. In 2020, cumulative global sales of these protein-based biologics reached approximately \$254 billion, representing 33% of the sales of all drugs. In 2020, 72 protein-based biologics reached blockbuster status with annual worldwide sales higher than \$1.0 billion. Of the total protein-based biologics sales, mAbs represent approximately 63%, with average per product peak sales of \$2.7 billion (median \$1.3 billion). The protein-based biologics market is expected to reach \$418 billion by 2026, representing a compound annual growth rate of approximately 9%. In the near term, we are focused on the next-generation biologics market, which we estimate based on our analysis of the Evaluate Pharma data to represent approximately 32% of protein-based biologics in Phase 1 clinical development. We estimate next-generation biologics represent a similar proportion of the 2,539 preclinical protein-based biologics. While our Integrated Drug Creation Platform is suited to generation of any type of protein-based biologic, we believe our capabilities are especially differentiated in the area of next-generation biologics. We expect our future programs to be principally in this category as we seek to provide an avenue to expand the number and variety of next-generation biologics

in development by our existing and future partners, including with the addition of nsAA-containing Bionic Proteins to their pipelines.

The figures below illustrate the number of protein-based biologics in each phase of development, including our estimate of the number of next-generation biologics in preclinical development, and the projected sales of protein-based biologics.



Sources: Evaluate Pharma [April 2021], Evaluate Ltd. and company estimates

Other market opportunities

Proteins are fundamental components of a wide variety of current or potential biological products. We believe our platform is applicable beyond the biopharmaceutical market, including into markets such as diagnostics, materials science, agriculture, industrial, animal health, cosmetics and synthetic food. While our initial focus is on the biopharmaceutical market, we recognize there are broad market opportunities in these additional industries, and we may pursue those opportunities in due course. For example, we currently have one program in animal health.

Our Business Model and Partnerships

Our business model differs from the traditional biotechnology company model. As a technology development company, we generate biologic drug candidates and production cell lines for our partners to develop. Our business model is to establish partnerships with biopharmaceutical companies and use our Integrated Drug Creation Platform for rapid creation of next-generation biologic drug candidates and production cell lines.

We are invested in the clinical and commercial success of the product candidates generated for our partners using our Integrated Drug Creation Platform. We expect that our partnerships will provide us with the opportunity to participate in the future success of the biologics generated utilizing our platform, through potential clinical, regulatory and commercial milestone payments as well as royalties on net sales of approved products. We aim to assemble economic interests in a diversified portfolio of partners' next-generation biologics across multiple indications. We believe our business model is capital efficient as our partners fund our technology development work, and we do not invest in clinical development or scaled manufacturing infrastructure.

We structure our partnerships as technology development agreements (each molecule we address for Discovery or CLD is a "program") with options for our partners to license intellectual property rights to the biological assets we create after completion of the technology development phase. For the technology

development phase, partners may (i) provide a target for discovery of a new next-generation biologic and/or Bionic Protein or novel scaffold, (ii) supply a specified lead drug candidate sequence for cell line development, or (iii) request a scope that falls somewhere in between (i) and (ii) with optimization of a lead candidate or set of candidates as the primary goal. Regardless of the scope, the biology we ultimately provide to our partners is a manufacturing-ready cell line expressing the new or partner-provided protein-of-interest. For most future partnerships, we expect to negotiate and agree to downstream economic terms of any license to our intellectual property rights before initiating the technology development phase. We anticipate that these technology development and license agreements may provide us with rights to receive payments upon the achievement of various clinical, regulatory and commercial milestones for the applicable product candidates, as well as royalties on net sales at least during the marketing exclusivity period of candidates approved for commercialization.

As of December 31, 2021, we had drug candidates in twelve Active Programs (across eight current partners' preclinical or clinical pipelines) for which we have negotiated, or expect to negotiate upon completion of certain technology development activities, license agreements with potential downstream milestone payments and royalties. Eight of these Active Programs are focused on developing production cell lines for drug candidates that our partners (Merck & Co., Inc., Xyphos Biotechnology, Astellas, Alpha Cancer Technologies, Inc., PhaseBio Pharmaceuticals, Inc., and other undisclosed biotechnology companies) are developing (five preclinical, one Phase 1, one Phase 3, and one animal health). The remaining four Active Programs comprise Discovery applications, including three Discovery programs through our agreement with EQRx and one lead optimization program with Astellas. We define "Active Programs" as programs that are subject to ongoing technology development activities intended to determine if the program can be pursued by our partner for future clinical development, as well as any program for which our partner obtains and maintains a license to our technology to advance the program after completion of the technology development phase. There is no assurance, however, that our partners will advance any drug candidates that are currently the subject of Active Programs into further preclinical or clinical development or that our partners will elect to license our technologies upon completion of the technology development phase in a timely manner, or at all.

In addition to our twelve Active Programs, we have also completed CLD technology development for 22 additional molecules. These historical programs were both internal research programs and technology development programs with third parties, and they were intended to demonstrate our platform's capabilities as we addressed successively broader ranges of biologics and next-generation modalities. We did not transfer technology or grant licenses related to these programs, and we anticipate no further revenue or other downstream payments.

The following table summarizes the biologic modalities for all of our current and historical programs, including our Active Programs:

Biologic Modality	# of Programs	
	Active Programs	All Programs
Bispecific mAb	1	1
Bispecific T-cell engager	2	3
Cytokine	1	2
Fab*	1	4
Multivalent Fc*-fusion	2	2
Plasma protein	1	1
mAb	1	4
Fc-fusion		3
scFv*-fusion		2
VHH*-fusion		2
Enzyme		2
Hormone		5
Not specified	3	3
Total	12	34

* Fab = antigen-binding fragment; Fc = crystallizable fragment; scFv = single-chain variable fragment; VHH = single variable domain on a heavy chain (nanobody)

Commercial

Our commercial strategy centers on entering into technology development partnerships with companies involved in biologic drug development, with a focus on the biopharmaceutical industry. Our goal is to secure new partners and expand our relationships with existing partners by solving challenges they face in discovery and cell line development and by enabling creation of new biologic modalities. With initial success, we aim to increase the number of molecules with each partner, as well as expand the application of our platform across each partner's discovery and cell line development activities.

Our business strategy involves forming partnerships with biopharmaceutical companies of all sizes and enabling our partners to bring their ideas to fruition. We currently have a core business development team raising awareness of our platform within the biopharmaceutical industry and establishing adoption through partnerships. We are initially focusing our business development efforts on large pharmaceutical companies with the potential to create multi-program opportunities, as well as biotechnology companies that are, or desire to be, leaders in next-generation biologics creation. We expect to partner with companies that are highly enabled and at the forefront of next-generation biologics but which may have had limited success due to technological challenges. We also expect to partner with companies that may have some presence in biologics but limited capabilities in novel biologic drug discovery and are looking to expand their pipelines. We also see opportunities to partner with focused biotechnology companies that are highly enabled with a biologics platform or multi-product pipeline but limited capabilities in drug discovery or cell line development. We expect these companies to seek access to our integrated platform to improve the quality of their lead drug candidates and enable development of scalable manufacturing cell lines to accelerate their development efforts and push the frontier of therapeutics.

We also have an alliance management team focused on supporting our successful partnership programs and growing our relationships with existing partners to include additional biologic candidates as well as expand to broader discovery programs. We believe that exceptional alliance management execution is critical to the success of our existing partnership programs and to transforming first-time partners into repeat and broad scope collaborators. We emphasize mutually beneficial partnerships through alignment of performance objectives, and we foster our partners as champions of our technology. We expect to expand our business development and alliance management teams significantly as we scale our business in the near term.

Our Growth Strategy

Our goal is to establish our proprietary, end-to-end platform as the industry standard for biologic drug discovery and cell line development. We are laying the groundwork for integration into our partners' discovery organizations, with the goal to be the de facto starting point for new drug creation. Our growth strategy is to:

- **Establish new partnerships to create biologic drug candidates.** We believe that our platform has a clear and differentiated value proposition for biologic drug discovery and cell line development. We have been successful in attracting initial partners, and we are continuing to expand our capabilities and enhance our platform to offer an even more powerful integrated solution. Given the increasing level of biopharmaceutical industry interest in creating novel biologics, we believe there is a large untapped market of potential partners ranging from traditional large pharmaceutical companies to emerging biotechnology innovators who can realize benefits from our platform. We believe that we offer a way to transcend the discovery and production challenges faced by the many companies that are investing in developing innovative new protein-based medicines. As we continue to establish our platform as the go-to solution for biologic drug creation, we expect to continue to attract new partners. We employ a business development team focused on raising awareness of our capabilities and establishing new partnerships.
- **Increase the number of molecules on which we work with our existing partners.** We believe that achieving technical success with an existing partner's drug candidate is the best proof of concept, and we intend to leverage those successes to expand our existing partnerships to address additional molecules in our partners' respective pipelines. Partners may have a unique scaffold upon which they build successive drug candidates, hence pursuing additional programs based on the same scaffold is a clear opportunity for expanding existing partnerships. Regardless of modality, we expect to generate additional business from existing partners as they experience firsthand the success and efficiency of

our platform. Our alliance management team is focused on supporting our partnership success and growing the number of molecules on which work with our partners.

- **Expand the scope of our partnerships across the biologic drug discovery and cell line development value chain.** We launched our CLD applications in 2018 and our initial Discovery applications in December 2020. Our goal is to expand our partnerships to apply a broader set of our platform capabilities, including both Discovery and CLD. Because we launched our CLD applications first, we have historically initiated our partnerships with CLD programs for lead drug candidates that have proven challenging to produce. CLD program partners often become interested in our Discovery applications, which include novel target identification, lead optimization, *de novo* discovery, Bionic Protein creation (nsAA incorporation), human antibody discovery, and the enablement of novel scaffold designs that could spawn new modalities. We look to expand the scope of partnerships to address additional classes of molecules, thereby presenting additional milestone and royalty opportunities. We intend to continue to invest in growing our platform's capabilities and aim to expand our applications to offer even more comprehensive solutions for our partners.
- **Create new biologic modalities and novel conjugates with Bionic Proteins that incorporate nsAAs.** We aim to use our platform to pursue a wide range of applications and to enable the creation of new drug modalities and previously inaccessible conjugates. To achieve this, we introduce customized machinery into our Bionic SoluPro strain that empowers it to incorporate nsAAs at specified locations in proteins. We can create entirely new drug modalities and assemble previously inaccessible conjugates using straightforward chemistry in combination with the nsAA incorporation. We expect to apply this differentiated capability repeatedly across numerous programs to add substantial value to our partners' discovery and development processes.
- **Grow our platform through R&D and strategic acquisitions.** We intend to continue innovating and extending avenues for creating better new biologics and cell lines at a faster pace. Near term, we are investing in research and development activities to refine our nsAA incorporation, *de novo* discovery, and purification technologies to enable targeted chemical modifications and conjugations in a homogenous manner. With our acquisition of Totient, and the addition of computational antibody and target discovery technology, we expect to engage with partners seeking differentiated disease-specific discovery opportunities for biologics development. We are also integrating our recently-acquired Denovium Engine deep learning artificial intelligence across our technologies, and we are driving toward a future in which the Denovium Engine understands the relevant drug and cell line determinants so comprehensively that its models can predict what we believe is the best scaffold and drug sequence as well as cell line design for any given target, without screening. This would be the realization of our vision of *de novo* drug creation *in silico*. We also intend to pursue opportunities for expanding our platform using AI as well as other technologies that we may develop or acquire. Biological validation technologies, preclinical evaluation models, and downstream protein purification technologies are all potential areas of strategic interest that could further enhance our value proposition to partners and provide us with important insights to steer our internal efforts.
- **Create proprietary assets.** We intend to selectively create our own lead drug candidates and advance them through preclinical validation. In such cases we may out-license pre-IND candidates for clinical advancement by a partner, with the expectation of a greater share in the economics relative to the milestones and royalties we may secure for our core platform technology development licenses.
- **Leverage our platform to address market opportunities outside of biopharmaceuticals.** Although we are currently focused on the biopharmaceuticals markets and we intend to maintain this focus in the near term, we believe our platform has the foundational technology and capabilities in place to capitalize on the opportunity to create proteins of value in many other industries. Such potential target applications include materials science, industrial chemicals, cosmetics, synthetic foods, and agriculture. Over the longer term, we may create new biological tools and designer enzymes that lead to applications spanning, but not limited to, bioremediation solutions, bioprocessing achievements, organic agricultural advances, and cost-effective protein-based consumables.

Competition

The market for technologies that enable biopharmaceutical research and development, such as ours, is global, characterized by intense competition and subject to significant intellectual property barriers. The solutions and applications offered by our competitors vary in size, breadth, and scope, and we face

competition from many different sources. Due to the significant interest and growth in biopharmaceutical research and development more broadly, we expect the intensity of this competition to increase.

We do not believe there are any other commercially available solutions that enable high-throughput screening of next-generation biologic drug variants in the assembled scaffold in the production cell line. Moreover, we are not aware of technologies that allow for efficient discovery of full length next-generation protein based therapeutics. We are aware of potential competitors addressing certain steps in the target identification, biologic drug discovery, and cell line development processes or adjacent aspects of the broad process, including:

- in the field of novel target identification, we may face competition from academic, pharmaceutical, and biotechnology research initiatives, as well as companies focused on novel methods for target identification, including Insitro, Inc., TScan Therapeutics, Inc., and 3T Biosciences, Inc.;
- in the field of AI-guided drug design and discovery, we may face competition from companies designing novel proteins such as Generate Biomedicines, Inc., as well as adjacent technology companies pursuing small molecule design such as Schrodinger, Inc., Recursion Pharmaceuticals, Inc., Relay Therapeutics, Inc., Atomwise Inc., Valo Health, Inc., and Exscientia Limited;
- in the field of scaffold design and drug platform development, we may face competition from pharmaceutical and biotechnology companies developing novel biologic modalities including Amgen Inc., Crescendo Biologics Limited and Harpoon Therapeutics, Inc., among others;
- in the field of novel human/humanized antibody discovery, we may face competition from companies such as AbCellera Biologics Inc., Adimab LLC, and Alloy Therapeutics, Inc.;
- in the field of non-standard amino acid protein engineering, we may face competition from companies such as Ambrx Inc. and Sutro Biopharma, Inc. (Sutro); and
- in the field of cell line generation and single-cell screening, we may face competition from service providers, such as Lonza Group AG and Selexis SA, companies offering instrumentation, such as Berkeley Lights Inc., and companies with alternative protein production systems, such as Sutro.

In addition, we are aware of other synthetic biology companies focused on developing various custom cell lines in a variety of model organisms for biomanufacturing of molecules relevant to other industries. These companies, which include Ginkgo Bioworks, Inc., Zymergen Inc., Geltor, Inc., and Bolt Threads, Inc. may in the future pursue biopharmaceutical applications of their platforms that could compete with our technologies.

Our target partners may also elect to develop their own processes on legacy systems, use in house solutions, or use traditional methods, rather than implementing our platform and may decide to stop using our platform. In addition, there are many large established players in the life science technology market that we do not currently compete with but that could develop systems, tools or other products that will compete with us in the future. These large established companies have substantially greater financial and other resources than us, including larger research and development staff or more established marketing and sales forces.

For a discussion of the risks we face relating to competition, see “Risk Factors—Risks Related to our Business and Strategy—The biopharmaceutical platform technology market is highly competitive, and if we cannot compete successfully with our competitors, we may be unable to increase or sustain our revenue, or sustain profitability.”

Intellectual Property

We use a variety of intellectual property protection strategies, including patents, trademarks, trade secrets and other methods of protecting proprietary information. Our success depends in part on our ability to obtain and maintain intellectual property protection for the components of our Integrated Drug Creation Platform; to defend and enforce our patents, to preserve the confidentiality of our trade secrets; to operate without infringing valid and enforceable patents and other proprietary rights of third parties and to identify new opportunities for intellectual property protection.

As of December 31, 2021, we own 40 issued or granted patents and 83 pending patent applications worldwide, which includes four issued U.S. patents and 36 pending U.S. patent applications. We also have granted patents in the EU, Australia, Japan, Brazil, Canada, China, Hong Kong, Israel, Mexico, and Republic of Korea. Our patents and patent applications, if issued, are expected to expire between August 2033 and

December 2042, in each case without taking into account any possible patent term adjustments or extensions and assuming payment of all appropriate maintenance, renewal, annuity, or other governmental fees.

Our patents and patent applications include the following:

Technology	Issued Patents	Pending Applications	Type of Protection
Host strains, accessory proteins, expression vectors and other expression technology, including non-standard amino acid technology	4 U.S. 36 foreign	11 U.S. applications (3 provisional) 1 PCT Application 19 foreign applications	Compositions, methods, kits
Proprietary Assays and Techniques		4 U.S. applications (3 provisional) 2 PCT applications 10 foreign applications	Compositions, Methods
Antibodies, nucleic acids, vectors, host cells, kits, and methods of treating diseases, such as cancer and COVID		23 U.S. applications (21 provisional) 1 PCT application 13 foreign applications	Compositions, methods, kits
Antibody discovery computational methods		1 pending application (PCT)	Methods

The protection provided by a patent varies from country to country, and is dependent on the type of patent granted, the scope of the patent claims, and the legal remedies available in a given country. In addition, the term of individual patents depends upon the legal term of the patents in the countries in which they are obtained. In most countries in which we file, the patent term is 20 years from the earliest non-provisional filing date, subject to any disclaimers or extensions. The term of a patent in the United States can be adjusted due to any failure of the United States Patent and Trademark Office (USPTO) following certain statutory and regulation deadlines for issuing a patent. In addition, in the United States, the term of a U.S. patent that covers an FDA-approved drug may also be eligible for patent term extension, which, if granted, permits patent term restoration as compensation for the patent term lost during the FDA regulatory review process. The Hatch-Waxman Act permits a patent term extension of up to five years beyond the original expiration of the patent. The length of the patent term extension is related to the length of time the drug is under regulatory review. Patent term extension cannot extend the remaining term of a patent beyond a total of 14 years from the date of product approval and only one patent applicable to an approved drug may be extended and only those claims covering the approved drug, a method for using it, or a method for manufacturing it may be extended. Similar provisions are available in Europe and other foreign jurisdictions to extend the term of a patent that covers an approved drug. In the future, if we determine to develop our own product candidates and any such product candidates receive FDA approval, we expect to apply for patent term extensions on patents covering those products. While we may seek patent term extensions of our relevant issued patents in any jurisdiction where such extensions are available, there is no guarantee that the applicable authorities, including the FDA in the United States, will agree with our assessment of whether such extensions should be granted, and if granted, the length of such extensions.

As of December 31, 2021, we owned registered trademarks for Absci, SoluPro, SoluPure in the United States, as well as eight trademark registrations in other jurisdictions.

In addition to patent and trademark protection, we also utilize other forms of intellectual property protection, including copyright, internal know-how and trade secrets, when such other forms are better suited to protect a particular aspect of our intellectual property position. For example, our trade secrets encompass certain algorithms associated with our deep learning Denovium Engine, our computational antibody and target discovery technology, manufacturing protocols for our E. coli SoluPro strains, libraries of protein folding solutions and design of molecular libraries for drug discovery. We believe our proprietary rights are strengthened by our comprehensive approach to intellectual property protection. It is our policy to require our employees, consultants, advisors and other independent contractors to execute confidentiality and invention assignment agreements upon accepting employment, consulting or similar relationships with us. These agreements provide that all confidential information concerning our business or financial affairs

developed or made known to the individual during the course of the individual's relationship with us is to be kept confidential and not disclosed to third parties except in specific circumstances. We also take precautions through the use of security measures to prevent the release of our proprietary information to third parties.

Although we take steps to protect our proprietary information and trade secrets, including through contractual means with our employees, consultants, advisors and other independent contractors, these agreements may be breached and we may not have adequate remedies for any breach. In addition, third parties may independently develop substantially equivalent proprietary information and techniques or otherwise gain access to our trade secrets or disclose our technology. As a result, we may not be able to meaningfully protect our trade secrets and other proprietary technology. For a discussion of the risks we face relating to intellectual property, see "Risk Factors—Risks Related to our Intellectual Property."

Government Regulation

Regulations Related to the Discovery, Development, Approval and Commercialization of Biotherapeutics

Our focus is on the use of our platform to enable our partners to improve the speed and success of their biologic product discovery and development efforts. As such, while we are subject to a number of regulations, such as those governing our laboratory facilities as well as regulations that apply to businesses in the private sector generally, we are not subject to many of the types of regulations that ordinarily apply to companies in the life sciences, biotechnology and pharmaceutical sectors and industries. However, we believe that the long-term success of our business depends, in part, on our partners' ability to successfully develop and sell products identified and created through our platform technology. The regulations that govern our pharmaceutical and biotechnology partners are those we therefore believe have the most significant impact on our business.

Government authorities in the United States, at the federal, state and local level, and in the European Union and other countries and jurisdictions, extensively regulate, among other things, the research, development, testing, manufacturing, quality control approval, labeling, packaging, storage, record-keeping, promotion, advertising, distribution, post-approval monitoring and reporting, marketing and export and import of pharmaceutical products, including biological products such as those that our partners develop. The processes for obtaining marketing approvals in the United States and in foreign countries and jurisdictions, along with subsequent compliance with applicable statutes and regulations and other regulatory authorities, require the expenditure of substantial time and financial resources. If we or our partners fail to comply with applicable laws or regulations at any time, we or our partners may become subject to administrative or judicial sanctions or other legal consequences, including among other things, restrictions on marketing or manufacturing, withdrawal of products, product recalls, fines, warning letters, untitled letters, clinical holds on clinical studies, refusal of the FDA to approve pending applications or supplements to approved applications, suspension or revocation of product approvals, product seizure or detention, refusal to permit the import or export of products, consent decrees, corporate integrity agreements, debarment or exclusion from federal healthcare programs, mandated modification of promotional materials, issuance of safety alerts, Dear Healthcare Provider letters, injunctions or the imposition of civil or criminal penalties.

Our partners must obtain the requisite approvals from the applicable regulatory authority prior to the commencement of clinical studies or marketing of a biological product in those countries. The requirements and process governing the conduct of clinical trials, product licensing, coverage, pricing and reimbursement vary from country to country. In the United States, biological products are subject to regulation under the Federal Food, Drug, and Cosmetic Act, the Public Health Service Act, and other federal, state, local and foreign statutes and regulations. The process required by the FDA before biologics may be marketed in the United States generally involves the following:

- completion of preclinical laboratory tests and animal studies performed in accordance with the FDA's applicable good laboratory practices regulations (GLP);
- submission to the FDA of an application for an IND, which must become effective before clinical trials may begin;
- approval of the protocol and related documentation by an independent institutional review board (IRB), or ethics committee at each clinical site before each trial may be initiated;

- performance of adequate and well-controlled human clinical trials according to the FDA's regulations commonly referred to as good clinical practices (GCPs), and any additional requirements for the protection of human research subjects and their health information, to establish the safety and efficacy of the proposed biological product for its intended use;
- preparation of and submission to the FDA of a biologics license application (BLA), for marketing approval that includes sufficient evidence of establishing the safety, purity, and potency of the proposed biological product for its intended indication, including from results of nonclinical testing and clinical trials;
- satisfactory completion of an FDA inspection of the manufacturing facility or facilities where the biological product is produced to assess compliance with cGMPs, to assure that the facilities, methods and controls are adequate to preserve the biological product's identity, strength, quality and purity;
- potential FDA audit of the nonclinical study and clinical trial sites that generated the data in support of the BLA;
- review of the product candidate by an FDA advisory committee, where appropriate and if applicable;
- payment of user fees for FDA review of the BLA (unless a fee waiver applies); and
- FDA review and approval of the BLA, resulting in the licensure of the biological product for commercial marketing.

Although we have not historically engaged directly in the discovery of our own biologics, we anticipate that in the future, we may selectively create our own biologic product candidates and advance such candidates through preclinical validation and cGMP manufacturing scale-up. Before testing any biologic product in humans, the product candidate must undergo rigorous preclinical testing. Preclinical studies include laboratory evaluations of drug chemistry, formulation and stability, as well as in vitro and animal studies to assess safety and in some cases to establish the rationale for therapeutic use. The conduct of preclinical studies is subject to applicable federal/national, supranational, state and local level regulations and requirements, including GLP, requirements for safety/toxicology studies. The results of the preclinical studies, together with manufacturing information and analytical data, must be submitted to the FDA as part of an IND or the appropriate regulatory authority in foreign countries as part of a clinical trial application (CTA). An IND is a request for authorization from the FDA to administer an investigational new drug to humans. In the United States, an IND must become effective before human clinical trials may begin. The IND automatically becomes effective 30 days after receipt by the FDA, unless the FDA, within the 30-day time period, raises safety concerns or questions about the proposed clinical trial. In such a case, the IND may be placed on clinical hold and the IND sponsor and the FDA must resolve any outstanding concerns or questions before the clinical trial can begin. Submission of an IND therefore may or may not result in FDA authorization to begin a clinical trial.

Clinical trials involve the administration of the investigational product to human subjects under the supervision of qualified investigators in accordance with GCPs, which include the requirement that all research subjects provide their informed consent for their participation in any clinical study. Clinical trials are conducted under written trial protocols detailing, among other things, the objectives of the clinical trial, the parameters to be used in monitoring safety and the effectiveness criteria to be evaluated. A separate submission to the existing IND must be made for each successive clinical trial conducted during product development and for subsequent protocol amendments. Furthermore, an independent IRB for each site proposing to conduct the clinical trial must review and approve the plan for any clinical trial and its informed consent form before the clinical trial begins at that site, and must monitor the study until completed. Regulatory authorities, the IRB or the sponsor may suspend a clinical trial at any time on various grounds, including a finding that the subjects are being exposed to an unacceptable health risk or that the trial is unlikely to meet its stated objectives. Some studies also include oversight by an independent group of qualified experts organized by the clinical study sponsor, known as a data safety monitoring board, which provides authorization for whether or not a study may move forward at designated check points based on access to certain data from the study and may recommend halting the clinical trial if it determines that there is an unacceptable safety risk for subjects or other grounds, such as no demonstration of efficacy. There are also requirements governing the reporting of ongoing clinical studies and clinical study results to public registries.

For purposes of BLA approval, human clinical trials are typically conducted in three sequential phases that may overlap or be combined :

- Phase 1—The investigational product is initially introduced into healthy human subjects or patients with the target disease or condition. These studies are designed to test the safety, dosage tolerance, absorption, metabolism and distribution of the investigational product in humans, the side effects associated with increasing doses, and, if possible, to gain early evidence on effectiveness.
- Phase 2—The investigational product is administered to a limited patient population with a specified disease or condition to evaluate the preliminary efficacy, optimal dosages and dosing schedule and to identify possible adverse side effects and safety risks. Multiple Phase 2 clinical trials may be conducted to obtain information prior to beginning larger and more expensive Phase 3 clinical trials.
- Phase 3—The investigational product is administered to an expanded patient population to further evaluate dosage, clinical efficacy, potency, and safety in an expanded patient population at geographically dispersed clinical trial sites. These clinical trials are intended to establish the overall risk/benefit ratio of the investigational product and to provide an adequate basis for product approval and product labeling.

In some cases, FDA may require, or firms may voluntarily pursue, post-approval clinical trials, sometimes referred to as Phase 4 clinical trials, after initial marketing approval. These clinical trials are used to gain additional experience from the treatment of patients in the intended therapeutic indication, particularly for long-term safety follow-up. During all phases of clinical development, regulatory agencies require extensive monitoring and auditing of all clinical activities, clinical data, and clinical trial investigators.

Concurrent with clinical trials, companies usually complete additional animal studies and also must develop additional information about the chemistry and physical characteristics of the biological product and finalize a process for manufacturing the product in commercial quantities in accordance with cGMP. To help reduce the risk of the introduction of adventitious agents with use of biological products, the Public Health Service Act emphasizes the importance of manufacturing control for products whose attributes cannot be precisely defined. The manufacturing process must be capable of consistently producing quality batches of the product candidate and, among other things, the sponsor must develop methods for testing the identity, strength, quality, potency and purity of the final biological product. Additionally, appropriate packaging must be selected and tested and stability studies must be conducted to demonstrate that the biological product candidate does not undergo unacceptable deterioration over its shelf life.

Healthcare Laws and Regulations

Biopharmaceutical companies are subject to additional healthcare regulation and enforcement by the federal government and by authorities in the states and foreign jurisdictions in which they conduct their business. These laws and regulations may constrain our relationships with our partners. Such laws include, without limitation, state and federal anti-kickback, fraud and abuse, false claims, and transparency laws and regulations related to drug pricing and payments and other transfers of value made to physicians and other healthcare providers. If our partners' operations are found to be in violation of any of such laws or any other governmental regulations that apply, by extension, we may be subject to penalties, including, without limitation, administrative, civil and criminal penalties, damages, fines, disgorgement, the curtailment or restructuring of operations, integrity oversight and reporting obligations, exclusion from participation in federal and state healthcare programs and responsible individuals may be subject to imprisonment.

Additional Regulations

In addition to the foregoing, state and federal U.S. laws regarding environmental protection and hazardous substances affect our business. These and other laws govern our use, handling and disposal of various biological, chemical and radioactive substances used in, and wastes generated by, our operations. If our operations result in contamination of the environment or expose individuals to hazardous substances, we could be liable for damages and governmental fines. We believe that we are in material compliance with applicable environmental laws and that continued compliance therewith will not have a material adverse effect on our business. We cannot predict, however, how changes in these laws may affect our future operations.

Healthcare Reform

Payors, whether domestic or foreign, or governmental or private, are developing increasingly sophisticated methods of controlling healthcare costs and those methods are not always specifically adapted for new technologies. In both the United States and certain foreign jurisdictions, there have been a number of legislative and regulatory changes to the health care system that could impact our ability to sell our products profitably. In particular, in 2010, the Patient Protection and Affordable Care Act, as amended by the Health Care and Education Reconciliation Act of 2010 (ACA) was enacted, which, among other things, subjected biologic products to potential competition by lower-cost biosimilars; addressed a new methodology by which rebates owed by manufacturers under the Medicaid Drug Rebate Program are calculated for drugs that are inhaled, infused, instilled, implanted or injected; increased the minimum Medicaid rebates owed by most manufacturers under the Medicaid Drug Rebate Program; extended the Medicaid Drug Rebate program to utilization of prescriptions of individuals enrolled in Medicaid managed care organizations; subjected manufacturers to new annual fees and taxes for certain branded prescription drugs; created a new Medicare Part D coverage gap discount program, in which manufacturers must agree to offer 50% (increased to 70% pursuant to the Bipartisan Budget Act of 2018, effective as of January 1, 2019) point-of-sale discounts off negotiated prices of applicable brand drugs to eligible beneficiaries during their coverage gap period, as a condition for the manufacturer's outpatient drugs to be covered under Medicare Part D; and provided incentives to programs that increase the federal government's comparative effectiveness research.

Anti-Corruption Laws

We are subject to the U.S. Foreign Corrupt Practices Act of 1977, as amended (FCPA) the U.S. domestic bribery statute contained in 18 U.S.C. § 201, the U.S. Travel Act, the USA PATRIOT Act, and possibly other state and national anti-bribery and anti-money laundering laws in countries in which we conduct activities, such as the UK Bribery Act 2010 and the UK Proceeds of Crime Act 2002 (Anti-Corruption Laws). Among other matters, such Anti-Corruption Laws prohibit corporations and individuals from directly or indirectly paying, offering to pay or authorizing the payment of money or anything of value to any foreign government official, government staff member, political party or political candidate, or certain other persons, in order to obtain, retain or direct business, regulatory approvals or some other advantage in an improper manner. We can also be held liable for the acts of our third party agents under the FCPA, the UK Bribery Act 2010 and possibly other Anti-Corruption Laws. In the healthcare sector, anti-corruption risk can also arise in the context of improper interactions with doctors, key opinion leaders and other healthcare professionals who work for state-affiliated hospitals, research institutions or other organizations.

Our Culture

We actively engage in evolving our culture every day, throughout our organization. We invite input, consider best practices, and iterate to create the Absci culture that best reflects and projects the nature of our people.

The values we embody are:

- Believe in the impossible
- Proceed with passion and grit
- Foster collaboration and communication
- Expect integrity and excellence
- Enjoy the adventure

Collectively and individually we are defying conventions and innovating without boundaries. We are disrupting the biopharmaceutical industry with bold ideas and passionate pursuit of new possibilities. We share the mission of changing the world, one protein at a time.

Human Capital Resources

As of December 31, 2021, we had 212 employees and 211 full-time employees, many of whom have advanced post-graduate degrees. None of our employees is represented by a labor union with respect to his or her employment with us. We consider our relationship with our employees to be good. Our human capital resources objectives include, as applicable, identifying, recruiting, retaining, incentivizing and integrating our existing and additional employees. The principal purposes of our equity incentive plans are to attract, retain

and motivate selected employees, consultants and directors through the granting of stock-based compensation awards and cash-based performance bonus awards.

Corporate Information

We were originally formed in August 2011 as an Oregon limited liability company and later converted into a Delaware limited liability company in April 2016 under the name AbSci LLC. In October 2020, we completed a reorganization whereby we were converted from a Delaware limited liability company named AbSci LLC to a Delaware corporation under the name Absci Corporation and all outstanding membership interests in AbSci LLC were exchanged for equity interests in Absci Corporation.

In June 2021, we completed our acquisition of Totient, Inc., a discovery company harnessing human immune responses to identify novel antibodies and their therapeutic targets, in exchange for a combination of cash and equity consideration.

Our principal executive offices are located at 18105 SE Mill Plain Boulevard, Vancouver, Washington 98683. Our telephone number is (360) 949-1041. Our website address is <https://www.absci.com/>. Information contained on, or that can be accessed through, our website should not be considered to be part of this Annual Report.

You are advised to read this Annual Report in conjunction with other reports and documents that we file from time to time with the SEC. In particular, please read our Quarterly Reports on Form 10-Q and any Current Reports on Form 8-K that we may file from time to time. You may obtain copies of these reports directly from us or from the SEC. In addition, the SEC maintains information for electronic filers (including Absci Corporation) at its website at www.sec.gov. We make our periodic and current reports available on our internet website, free of charge, as soon as reasonably practicable after such material is electronically filed with, or furnished to, the SEC.

Available information

Our Annual Reports on Form 10-K, Quarterly Reports on Form 10-Q, Current Reports on Form 8-K, proxy and information statements and amendments to reports filed pursuant to Sections 13(a), and 15(d) of the Securities Exchange Act of 1934, as amended (the Exchange Act) are filed with the SEC. We are subject to the informational requirements of the Exchange Act and file or furnish reports, proxy statements and other information with the SEC. The SEC maintains an Internet site that contains reports, proxy and information statements and other information regarding issuers that file electronically with the SEC at www.sec.gov. Such documents and other information filed by us with the SEC are available free of charge on our investor relations website (<https://investors.absci.com/>) when such reports are available on the SEC's website.

Investors and others should note that we may announce material information to the public through filings with the SEC, on our investor relations website (<https://investors.absci.com/>), press releases, public conference calls, and public webcasts. We encourage our investors and others to review the information disclosed through such channels as such information could be deemed to be material information. Please note that this list may be updated from time to time.

Item 1A. Risk Factors

Summary of Risk Factors

Below is a summary of the principal factors that make an investment in our common stock speculative or risky. This summary does not address all of the risks that we face. Additional discussion of the risks summarized in this risk factor summary, and other risks that we face, can be found below under the heading "Risk Factors" and should be carefully considered, together with other information in this Annual Report on Form 10-K and our other filings with the SEC, before making investment decisions regarding our common stock.

- Our current business has a limited operating history, which may make it difficult to evaluate our business and predict our future performance;
- We have incurred significant losses since inception, we expect to incur losses in the future and we may not be able to generate sufficient revenue to achieve and maintain profitability;

- We will need to raise additional capital to fund our operations and improve our platform. If we are unable to raise additional capital on terms acceptable to us or at all, we may not be able to compete successfully, which would harm our business, operations, and financial condition;
- Our commercial success depends on the technological capabilities of our Integrated Drug Creation Platform and its utilization by our existing partners and adoption by new partners;
- We are substantially dependent on the successful application of our Integrated Drug Creation Platform to biologic drug discovery and cell line development partnerships, and we have only recently begun to enter into biologic drug discovery partnerships;
- Our future success is dependent on the eventual approval and commercialization of biologic drugs developed under our partnerships for which we have no control over the clinical development plan, regulatory strategy or commercialization efforts;
- If we cannot maintain our current relationships with partners, or if we fail to expand our relationships with our current partners or enter into new relationships, our operating results would be adversely affected as a general matter;
- Biologic drug development is inherently uncertain, and it is possible that our technology may not succeed in discovering appropriate molecules or producing cell lines. Even if we do succeed, it is possible that none of the drug candidates discovered using our platform, if any, that are further developed by our partners will achieve development or regulatory milestones, including marketing approval, or become viable commercial technologies, on a timely basis or at all, which would harm our ability to generate revenue;
- If our partners experience any of a number of possible unforeseen or negative events in connection with preclinical or clinical development, regulatory approval or commercialization of product candidates generated through our partnerships, this could negatively affect our revenue opportunity for that program, and/or have broader deleterious effects on our reputation and future partnership prospects;
- The biopharmaceutical platform technology market is highly competitive, and if we cannot compete successfully with our competitors, we may be unable to increase or sustain our revenue, or achieve and sustain profitability;
- We rely on a limited number of suppliers or, in many cases, single suppliers, for laboratory equipment and materials and may not be able to find replacements or immediately transition to alternative suppliers;
- Our Integrated Drug Creation Platform may not meet the expectations of our partners, which means our business, financial condition, results of operations and prospects could suffer;
- The loss of any member of our senior management team or our inability to attract and retain highly skilled scientists and business development professionals could adversely affect our business;
- If we are unable to obtain and maintain sufficient intellectual property protection for our technologies, including our platform, Denovium Engine deep learning technology and computational antibody and target discovery technology, or if the scope of the intellectual property protection obtained is not sufficiently broad, our competitors could develop and commercialize technologies or a platform similar or identical to ours, and our ability to successfully leverage our platform technologies may be impaired; and
- Our share price may be volatile, and our operating results may fluctuate significantly from time to time.

Risk Factors

Investing in our common stock involves a high degree of risk. You should carefully consider the risks described below, as well as the other information in this Annual Report and in our other public filings in evaluating our business. The occurrence of any of the events or developments described below could materially harm our business, financial condition, results of operations and prospects. In such an event, the market price of our common stock could decline, and you may lose all or part of your investment. Additional

risks and uncertainties not presently known to us or that we currently deem immaterial may also impair our business operations and the market price of our common stock.

Risks Related to Our Limited Operating History, Financial Condition and Prospects

Our current business has a limited operating history, which may make it difficult to evaluate our business and predict our future performance.

Our current business has a limited operating history. We began commercial operations in 2018. Before engaging in commercial operations, we focused primarily on technology development. Total revenue was \$4.8 million for the year ended December 31, 2021 compared to \$4.8 million for the year ended December 31, 2020. Our revenue was generated primarily from technology development activities. We are very early in the adoption phase of our business model, and, as of March 1, 2022, no partner has entered into a license for clinical or commercial use of any intellectual property rights related to biologic drug candidates or cell lines generated utilizing our platform. Moreover, we have only agreed upon clinical or commercial license terms for seven of our Active Programs in the event an option is exercised by a partner to license such intellectual property rights. We may never achieve commercial success and we have limited historical financial data upon which we may base our projected revenue. We also have limited historical financial data upon which we may base our planned operating expense or upon which you may evaluate our business and prospects. Based on our limited experience in developing and marketing new technologies, we may not be able to effectively:

- drive adoption of our technologies;
- attract and retain partners;
- enter into licensing arrangements with our partners following completion of our technology development activities;
- establish partnerships that contain economic terms sufficient to make our business model viable;
- achieve sufficient near term revenue or raise sufficient capital to sustain our business to enable us to receive the downstream economics of our existing or future partnerships;
- expand the scope of our existing partnerships;
- anticipate and adapt to changes in the existing and emerging markets in which we operate;
- focus our technology development efforts in areas that generate returns on these efforts;
- succeed in achieving our technology development goals;
- maintain and develop strategic relationships with suppliers to acquire necessary materials and equipment for the development of our technologies on appropriate timelines, or at all;
- implement an effective business development strategy to drive adoption of our Integrated Drug Creation Platform by new and existing partners;
- scale our technology development activities to meet potential demand at a reasonable cost;
- acquire, in-license or otherwise obtain technologies that enable us to expand our platform capabilities;
- avoid infringement of third-party intellectual property rights;
- obtain licenses on commercially reasonable terms to third-party intellectual property rights, as needed for our current and planned operations;
- obtain and maintain valid and enforceable patents and other intellectual property rights that give us a competitive advantage;
- protect our proprietary technologies; and
- attract, retain and motivate qualified personnel.

In addition, a substantial portion of our expenses have been and will continue to be fixed. Accordingly, if we do not generate revenue as and when anticipated, our losses may be greater than expected and our operating results will suffer.

We have incurred significant losses since inception, we expect to incur losses in the future and we may not be able to generate sufficient revenue to achieve and maintain profitability.

We have incurred significant losses since our inception. For the year ended December 31, 2021 and 2020, we incurred net losses of \$101.0 million and \$14.4 million, respectively. As of December 31, 2021, we had an accumulated deficit of \$191.0 million. We expect that our operating expenses will continue to increase as we grow our business and will also increase as a result of our being a public company. Since our inception, we have financed our operations primarily from private placements of our preferred equity securities, convertible promissory notes, the sale of common stock in our initial public offering (IPO) and the incurrence of other indebtedness, and to a lesser extent, revenue derived from our Integrated Drug Creation Platform. We have devoted substantially all of our resources to the development of our Integrated Drug Creation Platform and commercialization of resulting technology development capabilities. We will need to generate significant additional revenue to achieve and sustain profitability, and even if we achieve profitability, we cannot be sure that we will remain profitable for any substantial period of time. We may never be able to generate sufficient revenue to achieve or sustain profitability and our recent and historical growth should not be considered indicative of our future performance.

We will need to raise additional capital to fund our operations and improve our platform. If we are unable to raise additional capital on terms acceptable to us or at all, we may not be able to compete successfully, which would harm our business, operations, and financial condition.

As of December 31, 2021, we had \$252.6 million in cash and cash equivalents. In July 2021, we consummated our IPO and issued 14,375,000 shares of common stock, including full exercise of the underwriters' over-allotment option, for net proceeds of \$210.1 million, after deducting underwriting discounts and offering related expenses. We expect our current cash and cash equivalents and anticipated cash flows from operations, will be sufficient to meet our working capital and capital expenditure needs over at least the next 12 months. If our available cash resources, including the net proceeds from our IPO, and anticipated cash flow from operations are insufficient to satisfy our liquidity requirements, including because of lower demand for the application of our Integrated Drug Creation Platform to biologic drug discovery or cell line development, or the realization of other risks described in this "Risk Factors" section, we will be required to raise additional capital prior to such time through issuances of equity or convertible debt securities, entrance into a credit facility or another form of third party funding, or seek other sources of financing. Such additional financing may not be available on terms acceptable to us or at all.

In any event, we may consider raising additional capital in the future to expand our business, to pursue strategic investments, to take advantage of financing opportunities or for other reasons. For example, this may include reasons such as to:

- increase our business development efforts to drive market recognition of our platform and address competitive developments;
- fund business development efforts for our current and future programs;
- expand the capabilities of our platform into additional areas of biopharmaceutical research and development, such as drug target discovery;
- acquire, license or invest in additional technologies or complementary businesses or assets;
- pursue opportunities to apply our protein creation technologies beyond the biopharmaceutical industry;
- advancing internal assets through preclinical validation; and
- finance capital expenditures and general and administrative expenses.

Our present and future funding requirements will depend on many factors, including:

- our ability to achieve revenue growth;

- the cost of expanding our operations, including our business development efforts;
- our rate of progress in selling access to our platform and business development activities associated therewith;
- our rate of progress in, and cost of development of new technologies;
- the effect of competing technological and market developments; and
- costs related to any domestic and international expansion.

The various ways we could raise additional capital carry potential risks. If we raise funds by issuing equity securities, dilution to our stockholders would result. Any preferred equity securities issued also would likely provide for rights, preferences or privileges senior to those of holders of our common stock. If we raise funds by issuing debt securities, those debt securities would have rights, preferences and privileges senior to those of holders of our common stock. Debt financing and preferred equity financing, if available, may also involve agreements that include covenants restricting our ability to take specific actions, such as incurring additional debt, selling or licensing our assets, making asset acquisitions, making capital expenditures, or declaring dividends.

If we are unable to obtain adequate financing or financing on terms satisfactory to us, if we require it, our ability to continue to pursue our business objectives and to respond to business opportunities, challenges, or unforeseen circumstances could be significantly limited, and could have a material adverse effect on our business, financial condition, results of operations and prospects.

Substantially all of our historical revenue is related to technology development activities, and we have not demonstrated the ability to enter into a sufficient number of partnerships providing for long-term license arrangements under which we are entitled to receive milestone payments or royalties on net product sales. We have not received any such milestone or royalty revenues to date, and it may be years before we realize any such revenues, if at all.

For the year ended December 31, 2021 and 2020, substantially all of our revenue was generated by technology development fees through performing technology development activities addressing molecules in programs for our partners. To date, such fees have generally been payable upon both the inception of, and the demonstration of technical achievement of program milestones, under technology development agreements with our partners. Our business model is dependent on the successful completion of the technology development phase under these arrangements and, more importantly, on our subsequent entry into long-term license arrangements with our partners that entitle us to development, regulatory and commercial milestones and/or royalties with respect to product candidates generated through our platform, which may include product candidates discovered and/or manufactured in cell lines developed by us. We are still in the very early stages of implementing our business model and, to date, no partner has entered into a license for clinical or commercial use of any intellectual property rights related to biologic drug candidates or cell lines generated utilizing our platform. Moreover, we have only agreed upon clinical or commercial license terms for seven of our Active Programs in the event an option is exercised by a partner to license such intellectual property rights. If we are unable to maintain partnerships covering Active Programs (including if any partnership covering an Active Program is terminated during or upon completion of the technology development phase) or we are otherwise unable to enter into license agreements for our Active Programs, we will not receive any downstream payments under these programs, which will have a material and adverse effect on our business prospects. Additionally, any such license agreements that we may enter into may not be on terms that are favorable to us and may not result in meaningful revenues to us, or at all, or such license agreements may be terminated.

Technology development fees are generated by technology development activities that we perform for our partners, the timing and nature of which are dictated by the timing of program commencement, which depends on various permissions, information and supplies provided by our partners and/or third party vendors as well as the pace of program progression and receipt of ongoing input from our partners. Our eligibility to receive milestone payments is generally subject to the negotiation of future arrangements, as described above. As a result, we currently do not generate significant recurring revenue and, until we are able to establish significant recurring revenue, if at all, we will be prone to regular fluctuations in our revenue dependent on the timing of our entry into partnership agreements, our partners advancing subject

programs, and our partners achieving development milestones or commercial sales with respect to drug candidates discovered and/or manufactured in cell lines developed by us.

Risks Related to Our Business Model and Partnerships

Our commercial success depends on the technological capabilities of our Integrated Drug Creation Platform and its utilization by our existing partners and adoption by new partners.

We utilize our Integrated Drug Creation Platform to identify biopharmaceutical drug candidates and associated production cell lines for further development and potential commercialization by our partners. As a result, the quality and sophistication of our platform and technology are critical to our ability to conduct our technology development activities and to deliver more promising molecules and cell lines and to accelerate and lower the costs of discovery and cell line development for our existing and potential partners, as compared to other methods. In particular, our business depends, among other things, on:

- our platform's ability to successfully identify appropriate molecules and production cell lines for our partners and provide them to our partners on the desired timeframes;
- our partners' determination that the product candidates and/or production cell lines that we provide to them can ultimately be used to advance our partners' clinical development programs;
- our partners' willingness to enter into license agreements with economic terms that are acceptable to us, which is based substantially on the value our partners believe can be recognized from the product candidates and/or production cell lines that we provide to them;
- our ability to execute on our strategy to enter into new partnerships with new or existing partners on technology development terms that are acceptable to us;
- our ability to increase awareness of the capabilities of our technologies and solutions;
- our partners' and potential partners' willingness to adopt our technologies;
- whether our platform reliably provides advantages over legacy and other alternative technologies and is perceived by partners to be cost effective;
- the rate of adoption of our technologies by pharmaceutical companies, biotechnology companies of all sizes, government organizations and non-profit organizations and others;
- prices we charge for our technology and the discoveries that we make;
- the relative reliability and robustness of our platform;
- our ability to develop new technologies for partners;
- our platform's ability to offer sufficient cost effectiveness, efficiency, and performance to warrant partners' continued adoption of and ongoing reliance on our technologies;
- our platform's ability to screen a high number of cells and drug candidates;
- whether competitors develop a platform that enables biologic drug discovery and cell line development more effectively than our platform;
- our ability to bioengineer our bespoke *E. coli* SoluPro and Bionic SoluPro strains to produce certain types of proteins;
- our ability to adapt our assays to screen effectively for certain types of drug modalities or targets;
- our ability to adapt our assays to de-orphan antibodies we discover using technology acquired through our acquisition of Totient;
- our ability to construct diverse genetic libraries covering sufficient diversity of protein sequence variants and folding and expression solutions combinations;
- our ability to reliably adapt our assays to each program to screen large strain libraries and routinely identify molecules/strains that meet the program deliverable requirements;

- our ability to optimize our fermentation conditions to scale at an effective level;
- our ability to use our deep learning AI to generate actionable biological insights;
- our platform's ability to create new drug modalities and novel conjugates;
- our platform's ability to incorporate non-standard amino acids into proteins with high efficiency and fidelity;
- the timing and scope of any approval that may be required by the U.S. Food and Drug Administration (FDA) or any other regulatory body for drugs that are developed based on molecules discovered and/or manufactured using our Integrated Drug Creation Platform technologies;
- our partners' and the biopharmaceutical industry's continued interest and investment in next-generation biologic drug development, and the continued market growth and clinical and regulatory success of this category collectively;
- the impact of our investments in innovation and commercial growth;
- negative publicity regarding our or our competitors' technologies resulting from defects or errors; and
- our ability to further validate and enhance our platform through research and technology development activities.

There can be no assurance that we will successfully address any of these or other factors that may affect the market acceptance of our platform or our technology. If we are unsuccessful in achieving and maintaining market acceptance of our platform, our business, financial condition, results of operations and prospects could be adversely affected.

We are substantially dependent on the successful application of our Integrated Drug Creation Platform to biologic drug discovery and cell line development partnerships, and we have only recently begun to enter into biologic drug discovery partnerships.

To date, we have invested nearly all of our efforts and financial resources in technology development relating to our bespoke E. coli SoluPro and Bionic SoluPro strains. The biologic drug discovery and cell line development business is capital intensive, particularly for early stage companies that do not have significant off-setting revenues.

Our success is dependent on our ability to drive adoption of our platform by partners, developing technologies for our partners, and entering into license agreements with such partners. Further, our success depends upon our expansion of our existing partnerships, and entry into new partnerships, to include our Discovery applications, as well as continuing to drive adoption of our CLD applications. Substantially all of our revenue generated to date is from technology development arrangements for our CLD applications. To date, we have very limited experience and expertise in the biologic drug discovery using our platform and have not demonstrated success in expanding our platform into biologic drug discovery. In order to realize the benefits of such an expanded scope of our Integrated Drug Creation Platform, we need to further advance our technology and further market our expanded capabilities to existing and new partners.

Our future revenue growth and market potential may depend on our ability to leverage our Integrated Drug Creation Platform, together with our custom libraries and other proprietary tools, into other areas of biopharmaceutical research and development, such as biologics drug discovery. However, we may not be able to successfully validate that our Integrated Drug Creation Platform will accelerate the hit identification and lead optimization steps of biologic drug discovery or that they will allow us to discover more effective drugs.

Our inability to continue these initiatives and initiate new technology development efforts could result in a failure to develop our platform, improve upon existing technologies, develop and advance opportunities such as biologics drug discovery, and expand our addressable market, each of which could have a material and adverse impact on our business development, business, financial position and results of operations.

We do not expect to generate significant recurring revenue unless and until such time as we enter into further agreements that, in the aggregate, result in regular and continuous fees for our performance of technology development activities, and, more importantly, agreements under which we would be eligible for

future payments upon our partners' achievement of development and regulatory milestones or commencement of commercial sales with respect to any drug candidates generated using our platform. We are unable to predict whether and the extent to which payments will be made to us under our arrangements and whether and the extent to which we will be able to enter into future arrangements under which we are eligible to generate additional revenues, or the timing of the achievement of any milestones under these agreements, if they are achieved at all. The timing and likelihood of payments to us under these agreements is dependent on our partners' successful development and commercialization of the molecules discovered using our platform, which is outside of our control. Because of these factors, our operating results could vary materially from quarter to quarter.

Our future success is dependent on the eventual approval and commercialization of biologic drugs developed under our partnerships for which we have no control over the clinical development plan, regulatory strategy or commercialization efforts.

Our business model is dependent on the eventual progression of biologic drug candidates discovered or initially developed utilizing our Integrated Drug Creation Platform into clinical trials and commercialization. This requires us to attract partners and enter into agreements with them that contain obligations for the partners to pay us milestone payments as well as royalties on sales of approved products for the biologic drug candidates they develop that are generated utilizing our platform. Given the nature of our relationships with our partners, we do not control the progression, clinical development, regulatory strategy or eventual commercialization, if approved, of these product candidates. As a result, our future success and the potential to receive milestones and royalties are entirely dependent on our partners' efforts, over which we have no control. If our partners determine not to proceed with the future development of a product candidate discovered or initially developed utilizing our Integrated Drug Creation Platform or if it implements a clinical or regulatory strategy that ultimately does not enable the further development, approval or commercialization of the product candidate, we will not receive the benefits of our partnerships, which may have a material and adverse effect on our operations.

In addition, biologic drug development is inherently uncertain and very few product candidates ultimately progress through clinical development and receive approval for commercialization. See the risk factor section below "Risks Related to Biologic Drug Development" for additional information related to the risks of biologic drug development. If our partners do not receive regulatory approval for a sufficient number of product candidates originating from our partnerships, we may not be able sustain our business model. Further, we will have little control over how diversified our portfolio of potential milestone payments or royalties will end up being.

While as a general matter we intend to periodically report on the status of our business development initiatives, including anticipated next steps, we may not provide forward-looking guidance on the timing of those next steps. In addition, we do not control the timing of disclosure by our partners of any milestones or other information related to any drug candidates generated using our platform. Any disclosure by us or our partners of data or other information regarding any such drug candidates that is perceived as negative may have a material adverse impact on our stock price or overall valuation. Our stock price may also decline as a result of negative clinical trial results, including adverse safety events, involving any drug candidate that is subject to one of our partnerships.

If we cannot maintain our current relationships with partners, fail to expand our relationships with our current partners, or if we fail to enter into new relationships, our future operating results would be adversely affected as a general matter.

In the years ended December 31, 2021 and 2020, revenue from two partners accounted for 73% and 77% of our technology development revenue, respectively. The revenue attributable to these partners may fluctuate in the future, which could have an adverse effect on our business financial condition, results of operations and prospects. Our existing partners may cease to use our technologies depending on their own technological developments, availability of other competing technologies and internal decisions regarding allocation of time and resources to the discovery and development of biologic product candidates, over which we have no control. Our existing and future partners may have limited bandwidth to initiate new programs, which could limit their adoption or scale of application of our technologies. In addition, existing partners may choose to produce some or all of their requirements internally by using or developing their own manufacturing capabilities or by using capabilities from acquisitions of assets or entities from third parties with such capabilities. While our business is not substantially dependent on technology development revenues from any

individual partner, because we currently have a limited number of partnerships, a loss of one of our partners could adversely impact our revenue, results of operations, cash flows or reputation in any given period.

Our future success also depends on our ability to expand relationships with our existing partners and to establish relationships with new partners. We engage in discussions with other companies and institutions regarding potential technology development and license opportunities on an ongoing basis, which can be time consuming. There is no assurance that any of these discussions will result in a technology development and/or license agreement, or if an agreement is reached, that the resulting relationship will be successful, or that the terms of such agreement will be favorable to us. In addition, our ability to monitor the achievement of clinical, regulatory and commercial milestones by our partners and enforce the payment of any corresponding fees is limited. Furthermore, the termination of any of these relationships could result in a temporary or permanent loss of revenue. Additionally, speculation in the industry about our existing or potential commercial relationships can be a catalyst for adverse speculation about us and our technology, which can adversely affect our reputation and our business.

We cannot assure investors that we will be able to maintain or expand our existing partnerships or that our technologies will achieve adequate market adoption among new partners. Any failure to increase penetration in our existing markets or new markets would adversely affect our ability to improve our operating results.

Our revenue under our technology development and other partner agreements for any particular period, or on an absolute basis, can be difficult to forecast.

Because of the complexities and long development timelines inherent in the biologic drug development business, it is difficult to predict the timing of payments under our technology development and other partner agreements. In particular, payments under our technology development agreements are subject to the achievement of project milestones and our partners' decisions to initiate or continue the technology development work, and any future downstream payments with respect to product candidates generated using our platform will be subject to our partners' advancement of the product candidates, over which we have no control. As a result, our revenue for any particular period can be difficult to forecast. Our revenue may grow at a slower rate than in past periods or even decline on a year-over-year basis. Because of these factors, our operating results could vary materially from quarter to quarter from our forecasts. Also, due to the limited probability of success for advancement of a clinical candidate by a partner at any given stage of development and the unpredictability of when a partner may choose to continue development of a product candidate and whether any milestone payments will be due to us, our revenue may be difficult to forecast on an absolute basis.

Additionally, we recognize revenue either as we perform our technology development, upon completion of performing our technology development or upon achieving certain licensing, clinical, regulatory, and commercialization milestones. As a result, much of our revenue is generated from agreements entered into during previous periods. Consequently, a decline in demand for our platform, a decline in new or renewed business in any one quarter or any delays in the achievement, or any failure to achieve, development, regulatory and commercial milestones by our partners with respect to product candidates generated using our platform, may not significantly reduce our revenue for that quarter but could negatively affect our revenue in future quarters. Our revenue recognition model also makes it difficult for us to rapidly increase our revenue through increased operations in any period, as revenue from partners is recognized over the course of their drug development and commercialization process.

We expect to make significant investments in our continued research and development of new technology development and platform expansion, which may not be successful.

We are seeking to leverage our Integrated Drug Creation Platform as a consolidated technology for simultaneous biologic drug discovery and cell line development. We are seeking to expand our platform and the scope of our capabilities, which may or may not be successful. This includes, but is not limited to, drug discovery, incorporation of nsAAs, and application of artificial intelligence across our Integrated Drug Creation Platform. We expect to incur significant expenses to advance these research and development efforts or to invest in, or acquire complementary technologies, but these efforts may not be successful. For instance, we have very limited experience with the discovery of novel biologic drug candidates and incorporation of nsAAs, and we have not yet deployed these technologies in the context of partnered programs. Additional development will be required for the routine and robust use of these technologies in partnered programs. Through the course of additional technology development, significant unanticipated

challenges may arise that adversely affect our future partnership prospects. To expand the scope of our platform, we acquired Denovium, an AI company leveraging deep learning for protein discovery and engineering, in January 2021 and Totient, a computational antibody and target discovery platform company, in June 2021. We are working to integrate the Denovium Engine deep learning technology and computational antibody and target discovery technology into our Integrated Drug Creation Platform to accelerate drug discovery and cell line development efforts. Our long-term goals for this technology, such as constructing deep learning models capable of in silico target identification and drug and cell line design, will require significant investment and long development times and may ultimately never materialize.

Additionally, we may make significant investments in proprietary drug candidates we seek to discover, and any discovery and subsequent development efforts for such drug candidates may not be successful. Such investments may be costly, and, given the uncertain nature of biologic drug discovery and development, our efforts in this field may not be successful. We may also make significant investments in pursuing technology development in industries other than the biopharmaceutical industry, and such pursuits may not be successful. We have no prior experience in using our technology platform in industries outside of the biopharmaceutical industry, and the economic structure of any future transactions in other industries may be less favorable to us than transactions in the biopharmaceutical industry.

Developing new technologies is a speculative and risky endeavor. Technologies that initially show promise may fail to achieve the desired results or may not achieve acceptable levels of analytical accuracy or clinical utility. We may need to alter our technologies in development before we identify a potentially successful technology. Technology development is expensive, may take years to complete and can have uncertain outcomes. Failure can occur at any stage of the development. Additionally, development of any technology may be disrupted or made less viable by the development of competing technologies, and changes in the industry in which our technologies are applied could obsolete our technologies. For example, advancements in gene therapy or RNA-based vaccine technologies could significantly reduce the market share of protein-based biologics.

New potential technologies may fail any stage of development or commercialization and if we determine that any of our current or future technologies are unlikely to succeed, we may abandon them without any return on our investment. If we are unsuccessful in developing or acquiring additional technologies, our potential for growth may be impaired.

We must adapt to rapid and significant technological change and respond to introductions of new products and technologies to remain competitive.

The industries in which we operate are characterized by significant enhancements and evolving industry standards. As a result, our partners' needs are rapidly evolving. If we do not successfully innovate and invest in new technologies, including within the field of AI, our platform may become less competitive, and our partners could move to new technologies or engage in drug discovery themselves. Without the timely introduction of technological advancements, our platform technologies will likely become less competitive over time, in which case our competitive position and results of operations could suffer. Accordingly, we focus substantial resources on the development and identification of new technologies to further broaden and deepen our capabilities and expertise in AI-powered drug discovery and cell line development. To the extent we fail to timely introduce new and innovative technologies, adequately predict our partners' needs or fail to obtain desired levels of market acceptance, our business may suffer and our results of operations could be adversely affected.

We may not be successful in our efforts to identify or discover internally-generated drug candidates.

The development of internal assets through pre-clinical validation requires financial and human resource investments in R&D. We have not internally developed any drug candidates to date, and we may fail to identify viable drug candidates. Similarly, a key element of our business plan is to continue to expand our Integrated Drug Creation Platform through an increase in partnered programs. A failure to validate aspects of our platform by using it ourselves to discover drug candidates for internal development could limit our business prospects and business development efforts.

Our efforts to develop internal assets may limit the resources available for other programs. Additionally, the development of any drug candidate we pursue may ultimately prove to be unsuccessful or less successful than another potential drug candidate that we might have chosen to pursue on a more aggressive basis or at all.

The failure of our partners to meet their contractual obligations to us could adversely affect our business.

Our reliance on our partners poses a number of additional risks, including the risk that they may not perform their contractual obligations to us to our standards, in compliance with applicable legal or contractual requirements, in a timely manner or at all; they may not maintain the confidentiality of our proprietary information; and disagreements or disputes could arise that could cause delays in, or termination of, the research, development or commercialization of products generated using our platform or result in litigation or arbitration.

In addition, certain of our partners are large, multinational organizations that run many programs concurrently, and we are dependent on their ability to accurately track and make milestone payments to us pursuant to the terms of our agreements with them. Any failure by them to inform us when milestones are reached and make related payments to us could adversely affect our results of operations.

Moreover, some of our future partners may be located in markets subject to political and social risk, corruption and infrastructure problems, and could be subject to country-specific privacy and data security risk as well as burdensome legal and regulatory requirements. Any of these factors could adversely impact their financial condition and results of operations, which could impair their ability to meet their contractual obligations to us and have a material adverse effect on our business, financial condition and results of operations.

Our partners may not achieve projected discovery and development milestones and other anticipated key events in the expected timelines or at all, which could have an adverse impact on our business and our anticipated revenue.

From time to time, we may make public statements regarding the expected timing of certain milestones and key events, as well as regarding developments and milestones under our partnerships, to the extent that our partners have publicly disclosed such information or permit us to make such disclosures. Certain of our partners may in the future make statements about their goals and expectations for partnerships with us. The actual timing of these events can vary dramatically due to a number of factors such as delays or failures in our or our current and future partners' drug discovery and development programs, the amount of time, effort, and resources committed by us and our current and future partners, and the numerous uncertainties inherent in the development of drugs. Additionally, to date, none of our partners has successfully completed a regulatory submission, such as an IND application or BLA, for a drug candidates generated using our platform. There can be no assurance that our partners' current and future programs will advance or be completed in the time frames we or they expect. If our partners fail to achieve one or more of these milestones or other key events as planned, our business could be materially adversely affected and we may never receive the anticipated revenues from these partnerships.

Our partners have significant discretion in determining when and whether to make announcements, if any, about the status of our partnerships, including about clinical developments and timelines for advancing collaborative programs, and the price of our common stock may decline as a result of announcements of unexpected or negative results or developments.

Our partners have significant discretion in determining when and whether to make announcements about the status of our partnerships, including about preclinical and clinical developments and timelines for advancing product candidates generated using our platform. We do not plan to disclose the development status and progress of individual drug candidates of our partners, unless and until those partners do so first. Our partners may wish to report such information more or less frequently than we expect, or they may not report such information at all, in which case we would not report that information either. In addition, if a partner chooses to announce a partnership with us, there is no guarantee that we will receive technology development revenue in that quarter or even the following quarter, as such revenue is only payable to us in accordance with the terms of the agreements governing such partnerships. The price of our common stock may decline as a result of the public announcement of unexpected results or developments in our partnerships, or as a result of our partners withholding such information.

Risks Related to Biologic Drug Development

Biologic drug development is inherently uncertain, and it is possible that our technology may not succeed in discovering appropriate molecules or producing cell lines. Even if we do succeed, it is possible that none of the drug candidates discovered using our platform, if any, that are further developed by our partners will achieve development or regulatory milestones, including marketing approval, or become viable commercial technologies, on a timely basis or at all, which would harm our ability to generate revenue.

We use our platform to identify biologic drug candidates and develop cell lines for the production of drug candidates for partners who are engaged in biologic drug discovery and development. These partners include large pharmaceutical companies and smaller biotechnology companies, and may in the future include non-profit and government organizations. While we receive payments for performing research activities and successfully completing technical program deliverables and milestones for our partners, we anticipate that the vast majority of the economic value of the contracts that we enter into with our partners will be in the downstream payments that would be payable if certain milestones are met by our partners with respect to product candidates identified and manufactured using bespoke cell lines developed by our Integrated Drug Creation Platform and royalties on net sales if such product candidates are approved for marketing and successfully commercialized. As a result, our future growth is dependent on the ability of our partners to successfully develop and commercialize therapies based on molecules generated using our platform. Due to our reliance on our partners, the risks relating to product development, regulatory clearance, authorization or approval and commercialization apply to us indirectly through the activities of our partners. Even if our platform is capable of identifying high quality biologic drug candidates, there can be no assurance that our partners will successfully develop, secure marketing approvals for and commercialize any drug candidates based on the proteins that we discover. As a result, we may not realize the intended benefits of our partnerships.

Due to the uncertain, time-consuming and costly clinical development and regulatory approval process, our partners may not successfully develop any drug candidates generated using our platform, or our partners may choose to discontinue the development of these drug candidates for a variety of reasons, including due to safety, risk versus benefit profile, exclusivity, competitive landscape, commercialization potential, production limitations or prioritization of their resources. It is possible that none of these drug candidates will ever receive regulatory approval and, even if approved, such drug candidates may never be successfully commercialized.

In addition, even if these drug candidates receive regulatory approval in the United States, our partners may never obtain approval or commercialize such drugs outside of the United States, which would limit their full market potential and therefore our ability to realize their potential downstream value. Furthermore, approved drugs may not achieve broad market acceptance among physicians, patients, the medical community and third-party payors, in which case revenue generated from their sales would be limited. Likewise, our partners have to make decisions about which clinical stage and pre-clinical drug candidates to develop and advance, and our partners may not have the resources to invest in all of the drug candidates generated using our platform, or clinical data and other development considerations may not support the advancement of one or more drug candidates. Decision-making about which drug candidates to prioritize involves inherent uncertainty, and our partners' development program decision-making and resource prioritization decisions, which are outside of our control, may adversely affect the potential value of those partnerships. Additionally, subject to its contractual obligations to us, if one more of our partners is involved in a business combination, the partner might de-emphasize or terminate the development or commercialization of any drug candidate generated using our platform. If one of our strategic partners terminates its agreement with us, we may find it more difficult to attract new partners.

We are also subject to industry-wide FDA and other regulatory risk. For example, the number of BLAs approved by the FDA varies significantly over time and if changes in applicable laws, regulations, or policy or other events lead to an extended reduction in the number of BLAs approved by the FDA or otherwise reduce the number of biologics in development, our industry would contract and our business would be materially harmed.

Our partners' failure to effectively develop or commercialize any drug candidates generated using our platform could have a material adverse effect on our business, financial condition, results of operations and prospects, and cause the market price of our common stock to decline. In addition to the inherent uncertainty in drug development addresses above, our ability to forecast our future revenues may be limited.

In addition, we intend to advance proprietary drug candidates through preclinical validation, and may seek to license or co-develop such proprietary drug candidates with a partner for clinical development. In such case, we would also be dependent on our ability to enter into partnerships with respect to the drug candidate with license or joint development terms that are acceptable to us in a timely manner. We may also in the future invest in advancing proprietary drug candidates through some or all clinical-stage development activities and regulatory filings for approval to commercialize such proprietary drug candidates. If we were to do this, we would be subject to all of the risks of biologic drug development described in this "Risk Factors" section, and our failure to effectively develop or commercialize such proprietary drug candidates could have a material adverse effect on our business, financial condition, results of operations and prospects, and cause the market price of our common stock to decline.

If our partners experience any of a number of possible unforeseen or negative events in connection with preclinical or clinical development, regulatory approval or commercialization of product candidates generated through our partnerships, this could negatively affect our revenue opportunity for that program, and/or have broader deleterious effects on our reputation and future partnership prospects.

Our partners may experience numerous unforeseen events during, or as a result of, preclinical studies or clinical trials that could delay or prevent their ability to conduct further development or obtain regulatory approval or licensure of, or commercialize, biologic drug candidates generated through our partnerships, including:

- preclinical studies designed to enable the submission of IND applications, or other preclinical development activities, by our partners may not result in data sufficient to support the advancement of the applicable product candidates into clinical development, or our partners may abandon development activities for such product candidates prior to any IND submission for a variety of reasons;
- regulatory authorities or ethical review boards, including IRBs, may not authorize commencement of a clinical trial or conduct a clinical trial at a prospective trial site;
- there may be delays in reaching or failure to reach agreement on acceptable clinical trial contracts or clinical trial protocols with prospective trial sites;
- the FDA or other regulatory authorities may disagree with a clinical trial design or a sponsor's interpretation of data even after such regulatory authorities have reviewed and commented on the clinical trial design;
- differences in trial design between early stage clinical trials and later-stage clinical trials may make it difficult to extrapolate the results of earlier clinical trials to later-stage clinical trials;
- the FDA or other regulatory authorities may disagree about whether study endpoints are clinically meaningful or recommend study endpoints that require lengthy periods of observation;
- the number of patients, or amount of data, required to complete clinical trials may be larger than anticipated, patient enrollment in these clinical trials may be slower than anticipated or patients may drop out of clinical trials at a higher rate than anticipated;
- contract research organizations and other contracted third parties may fail to perform their duties in accordance with the study protocol or applicable laws and regulations;
- changes may be made to product candidates after commencing clinical trials, which may require that previously completed stages of clinical testing be repeated or delay later stages of testing;
- clinical trials may fail to satisfy the applicable regulatory requirements of the FDA or other regulatory authorities responsible for oversight of the conduct of clinical trials in other countries;

- regulators may elect to impose a clinical hold, or our partners, governing IRBs, data safety monitoring boards or ethics committees may elect to suspend or terminate our partners' clinical research or trials for various reasons, including non-compliance with regulatory requirements or a finding that the participants are being exposed to unacceptable risks to their health or the privacy of their health information being disclosed;
- the cost of clinical trials of the applicable product candidates, or improvements to such product candidates, may be greater than our partners anticipate, causing them to delay or terminate their clinical development efforts;
- the supply or quality of materials necessary to conduct clinical trials of the applicable product candidates may be insufficient or inadequate;
- the outcome of our partners' preclinical studies and early clinical trials may not be predictive of the success of later clinical trials, and interim results of a clinical trial do not necessarily predict final results;
- product candidates may be associated with negative or inconclusive results in clinical trials, and our partners may decide to deprioritize or abandon these product candidates, or regulatory authorities may require our partners to abandon them or may impose onerous changes or requirements, which could lead to de-prioritization or abandonment;
- product candidates may have undesirable side effects which could lead to serious adverse events, or other unexpected characteristics. One or more of such effects or events could cause regulators to impose a clinical hold on the applicable trial, or cause our partners or their investigators, IRBs or ethics committees to suspend or terminate the trial of the applicable product candidates; and
- clinical trials may suggest or demonstrate that products are not safe and effective, or as safe and effective as competing therapies on the market or in development.

In addition, disruptions caused by the COVID-19 pandemic may increase the likelihood that our partners encounter such difficulties or delays in initiating, enrolling, conducting or completing their planned and ongoing clinical trials. Delays of this nature could also allow competitors to bring products to market before our partners do, potentially impairing our partners' abilities to successfully commercialize products generated in partnership with us and harming our business and results of operations. Any delays in, or suspension of, the development of the product candidates developed by our partners generated using our technology may significantly harm our business, financial condition and prospects. Many of the factors that cause, or lead to, a delay in the commencement or completion of clinical trials may also ultimately lead to the denial of regulatory clearance, authorization or approval of partnered products in development.

The biopharmaceutical platform technology market is highly competitive, and if we cannot compete successfully with our competitors, we may be unable to increase or sustain our revenue, or achieve and sustain profitability.

We face significant competition in the biopharmaceutical platform technology market. Our technologies address therapeutic discovery and bioproduction challenges that are addressed by other platform technologies controlled by companies that have a variety of business models, including the development of internal pipelines of therapeutics, technology licensing, discovery screening, cell line generation and the sale of instruments and devices. Potential competitors addressing certain steps in the target identification, biologic drug discovery and cell line development processes or adjacent aspects of these broad processes include the following:

- in the field of novel target identification, we may face competition from academic, pharmaceutical, and biotechnology research initiatives, as well as companies focused on novel methods for target identification, including Insitro, Inc., TScan Therapeutics, Inc. and 3T Biosciences, Inc.;
- in the field of AI-guided drug design and discovery, we may face competition from companies designing novel proteins such as Generate Biopharma, as well as adjacent technology companies pursuing small molecule design such as Schrodinger, Inc., Recursion Pharmaceuticals, Inc., Relay Therapeutics, Inc. and Exscientia Limited;

- in the field of scaffold design and drug platform development, we may face competition from pharmaceutical and biotechnology companies developing novel biologic modalities including Amgen Inc., Crescendo Bioscience, Inc. and Harpoon Therapeutics, Inc. among others;
- in the field of novel human/humanized antibody discovery, we may face competition from companies such as AbCellera Biologics Inc. and Adimab LLC;
- in the field of non-standard amino acid protein engineering, we may face competition from companies such as Ambrx Inc. and Sutro Biopharma, Inc. (Sutro); and
- in the field of cell line generation and single-cell screening, we may face competition from service providers, such as Lonza Group AG and Selexis SA, companies offering instrumentation, such as Berkeley Lights Inc., and companies with alternative protein production systems, such as Sutro.

In addition, we are aware of other synthetic biology companies focused on developing various custom cell lines in a variety of model organisms for biomanufacturing of molecules relevant to other industries. These companies, which include Ginkgo Bioworks, Inc. and Zymergen Inc., may in the future pursue biopharmaceutical applications of their platforms that could compete with our technologies.

Our target partners may also elect to develop their processes on in-house systems, or using other methods, rather than implementing our technologies and may decide to stop using our technologies. These companies are likely to exhaust all internal alternatives to our technology before adopting our technologies. In addition, there are many large established companies in the life science technology market that we do not currently compete with but that could develop systems, technologies, tools or other products that will compete with us in the future. These large established companies have substantially greater financial and other resources than us, including larger research and development organizations or more established marketing and sales forces.

Our competitors and potential competitors may enjoy a number of competitive advantages over us. For example these may include:

- longer operating histories;
- larger partner bases;
- greater brand recognition and market penetration;
- greater financial resources;
- greater technological and research and development resources;
- better system reliability and robustness;
- greater business development capabilities; and
- better established, larger scale and lower cost manufacturing capabilities.

As a result, our competitors and potential competitors may be able to respond more quickly to changes in partner requirements, devote greater resources to the development, promotion and sale of their platforms or solutions than we can, or sell their platforms or solutions, or offer solutions competitive with our platform and solutions at prices designed to win significant levels of market share. In addition, we may encounter challenges in marketing our solutions with our pricing model, which is structured to capture the potential downstream revenues associated with drug candidates that were discovered using our platform. Our partners and potential partners may prefer one or more pricing models employed by our competitors that involve upfront payments rather than downstream revenues. We may not be able to compete effectively against these organizations.

In addition, competitors may be acquired by, receive investments from or enter into other commercial relationships with larger, well-established and well-financed companies. Certain of our competitors may be able to secure key inputs from vendors on more favorable terms, devote greater resources to marketing and promotional campaigns, adopt more aggressive pricing policies and devote substantially more resources to technology and platform development than we can. If we are unable to compete successfully against current and future competitors, we may be unable to increase market adoption of our platform technologies for the biologic drug discovery and cell line development, which could prevent us from increasing our revenue or achieving and sustaining profitability.

The market for our platform, including potential partners and potential investors, may be skeptical of the viability and benefits of our technology platform because it is based on novel and complex synthetic biology and AI technologies.

The market for our platform, including potential partners and potential investors, may be skeptical of the viability and benefits of our technology platform because it is based on novel and complex synthetic biology and AI technologies. There can be no assurance that our technologies will be understood, approved, or accepted by potential partners and potential investors or that we will be able to enter into new partnerships with new or existing partners. The synthetic biology and AI-powered drug discovery markets are relatively new, and potential partners may be hesitant to allocate resources in relatively unproven fields. If we are unable to convince these potential partners of the utility and value of our technologies or that our technologies are superior to the technologies they currently use, we will not be successful in entering these markets and our business and results of operations will be adversely affected. If potential investors are skeptical of the success of our technologies, our ability to raise capital and the value of our stock may be adversely affected.

The medical insurance coverage and reimbursement status of newly approved therapeutics is uncertain. Failure to obtain or maintain adequate coverage and reimbursement for current or future products and services could limit our partners' ability to successfully commercialize product candidates generated using our platform, which would decrease our ability to generate revenue.

The availability and extent of reimbursement by governmental and private payors is essential for most patients to be able to afford any therapeutics generated using our platform that our partners may develop and sell. In addition, because the therapeutics we generate may represent new classes of treatments for diseases, we and our partners cannot accurately estimate how such therapeutics would be priced, whether reimbursement could be obtained or any potential revenue generated. Sales of such therapeutics will depend substantially, both domestically and internationally, on the extent to which the costs of such therapeutics are paid by health maintenance, managed care, pharmacy benefit and similar healthcare management organizations, or reimbursed by government health administration authorities, private health coverage insurers and other third-party payors. If reimbursement is not available, or is available only to limited levels, our partners may not be able to successfully commercialize some therapeutics generated with our technology. Even if coverage is provided, the approved reimbursement amount may not be high enough to allow our partners to establish or maintain pricing sufficient to realize an adequate return on their investment in such therapeutics, and may lead to discontinuation or deprioritization of development, marketing and sales efforts for such products. Changes in the reimbursement landscape may occur, which are outside of our control, and may impact the commercial viability of our technology development services and/or therapeutics generated using our technology.

There is significant uncertainty related to the insurance coverage and reimbursement of newly cleared, authorized or approved therapeutics in the United States and other jurisdictions. Due to the trend toward value-based pricing and coverage, the increasing influence of health maintenance organizations and additional legislative changes, we expect our partners to experience pricing pressures on therapeutics generated using our platform that our partners may commercialize. The downward pressure on healthcare costs in general, particularly novel therapeutics, has become very intense. As a result, increasingly high barriers are being erected to the entry of new products, which would negatively impact our ability to generate revenues.

Healthcare reform efforts aimed at lowering the price of biopharmaceutical products may impact our ability to maintain sufficient profits.

Payors, whether domestic or foreign, or governmental or private, are developing increasingly sophisticated methods of controlling healthcare costs and those methods are not always specifically adapted for new technologies. In both the United States and certain foreign jurisdictions, there have been a number of legislative and regulatory changes to the health care system that could impact our ability to sell our products profitably. In particular, in 2010, the Patient Protection and Affordable Care Act, as amended by the ACA, was enacted, which, among other things, subjected biologic products to potential competition by lower-cost biosimilars; addressed a new methodology by which rebates owed by manufacturers under the Medicaid Drug Rebate Program are calculated for drugs that are inhaled, infused, instilled, implanted or injected; increased the minimum Medicaid rebates owed by most manufacturers under the Medicaid Drug Rebate Program; extended the Medicaid Drug Rebate program to utilization of prescriptions of individuals enrolled

in Medicaid managed care organizations; subjected manufacturers to new annual fees and taxes for certain branded prescription drugs; created a new Medicare Part D coverage gap discount program, in which manufacturers must agree to offer 50% (increased to 70% pursuant to the Bipartisan Budget Act of 2018, effective as of January 1, 2019) point-of-sale discounts off negotiated prices of applicable brand drugs to eligible beneficiaries during their coverage gap period, as a condition for the manufacturer's outpatient drugs to be covered under Medicare Part D; and provided incentives to programs that increase the federal government's comparative effectiveness research. If efforts to contain the price of biopharmaceutical products are successful, the magnitude of milestone payments and royalties we would expect to receive in connection with our partners' future prioritization and investment in developing novel biologics may be impacted.

Our business could become subject to government regulation, and the regulatory approval and maintenance process may be expensive, time-consuming and uncertain both in timing and in outcome.

Our operations are currently not subject to the direct regulation by the FDA or other regulatory bodies. However, our business could in future become subject to more direct oversight by the FDA, or other domestic or international agencies. For example, we may be subject to evolving and variable regulations governing the production of genetically engineered organisms. Furthermore, while we have no active plans to operate a manufacturing facility designed to comply with cGMPs, future market pressures or the lack of available capacity at cGMP manufacturing facilities may necessitate our entry into this market. Complying with such regulations may be expensive, time-consuming and uncertain, and our failure to obtain or comply with such approvals and clearances could have an adverse effect on our business, financial condition and operating results.

Risks Related to Our Operations

We rely on a limited number of suppliers or, in many cases, single suppliers, for laboratory equipment and materials and may not be able to find replacements or transition to alternative suppliers on a timely basis, or at all.

We rely on a limited number of suppliers, or in many cases single suppliers, to provide certain consumables and equipment that we use in our laboratory operations, as well as reagents and other laboratory materials involved in the development of our technology. As a result of the ongoing COVID-19 pandemic, national lockdowns and global personnel shortages as a result of "stay-at-home" orders, employees being impacted by COVID-19, workforce reductions and employee attrition have contributed to delays or pauses in the distribution of raw materials and finished goods, and disruptions to manufacturing and supply chains across various industries. Fluctuations in the availability and price of laboratory materials and equipment could have an adverse effect on our ability to meet our technology development goals with our partners and thus our results from operations as well as future partnership opportunities. An interruption in our laboratory operations or technology transfer activities could occur if we encounter delays, quality issues or other difficulties in securing these consumables, equipment, reagents or other materials, and if we cannot then obtain an acceptable substitute. In addition, we would likely be required to incur significant costs and devote significant efforts to find new suppliers, acquire and qualify new equipment, validate new reagents and revalidate aspects of our existing assays, which may cause delays in our processing of samples or development and commercialization of our technology. Any such interruption could significantly affect our business, financial condition, results of operations and reputation.

In particular, we have purchased and rely on the Sartorius Ambr system. Sartorius AG (Sartorius) supplies us with the Ambr bioreactor system and related equipment and consumables, which are critical to our business. The Ambr system and its related consumables are provided solely by Sartorius. We are also materially reliant on the liquid handling robotics and associated consumables produced solely by the Hamilton Company (Hamilton). We obtain our supplies of equipment and materials from Sartorius and Hamilton under purchase orders and do not have supply contracts in place with either of these suppliers. Any disruption in the supply chain for these products would materially affect our business. While there are alternative types of equipment that we could use as a replacement for the Ambr system and/or the Hamilton workstations, switching to different systems would require significant capital investment, long lead times and significant training and validation.

Our Integrated Drug Creation Platform may not meet the expectations of our partners, which means our business, financial condition, results of operations and prospects could suffer.

Our success depends on, among other things, the market's confidence that our platform is capable of substantially shortening the amount of time necessary to perform certain activities as compared to the use of legacy and other alternative technologies, and will enable more efficient or improved pharmaceutical and biotechnology product development and/or biomanufacturing. There is no assurance that we will be able to meet our partners' needs in the future, or at all. To date, we have not yet had a program enter clinical testing licensing technology from our platform or progress to manufacture in a cGMP environment, which may reduce our existing and prospective partners' confidence in our platform. We also believe that pharmaceutical and biotechnology companies are likely to be particularly sensitive to defects in, or suboptimal performance of, our platform, including if our platform fails to deliver meaningful acceleration of certain research timelines accompanied by results at least as good as the results generated using legacy or other alternative technologies. There can be no guarantee that our platform will meet the expectations of pharmaceutical and biotechnology companies.

We will need to develop and expand our workforce, commercial infrastructure and laboratory operations to support anticipated growth in demand for our technology development programs, and we may encounter difficulties in managing this development and expansion.

We will need to expand our workforce, commercial infrastructure and laboratory operations to support anticipated growth in demand for our technology development programs. If we are unable to support fluctuations in the demand for our technology development programs, including ensuring that we have adequate capacity to meet increased demand, our business could suffer. As of March 1, 2022, we had 216 full-time employees and we expect to increase the number of employees and the scope of our operations as we continue to develop our technologies. As we seek to increase the number of our partnerships, expand the scope of our existing partnerships, pursue internal programs and further develop our technological capabilities, we may need to incorporate new equipment, implement new technology systems and laboratory processes and hire new personnel with different qualifications. Failure to manage this growth or transition could result in turnaround time delays, higher technology development costs, declining technology development quality, deteriorating alliance management success, and slower responses to competitive challenges. A failure in any one of these areas could make it difficult for us to meet market expectations for our technologies, and could damage our reputation and the prospects for our business.

To manage our anticipated expansion, we must continue to implement and improve our managerial, operational and financial systems, expand our facilities and continue to recruit and train additional qualified personnel. Also, our management team may need to divert a disproportionate amount of its attention away from its day-to-day activities and devote a substantial amount of time to managing these business expansion activities. Due to our limited resources and early stage of growth, we may not be able to effectively manage this simultaneous execution and the expansion of our operations. This may result in weaknesses in our infrastructure, operational mistakes, slower development of our technology development programs, loss of business opportunities, loss of employees and reduced productivity among our employees.

If our management is unable to effectively manage our expected development and expansion, our expenses may increase more than expected, our ability to generate or increase our revenue could be reduced and we may not be able to implement our business strategy. Our future financial performance, and our ability to develop and commercialize our technologies and compete effectively, will depend, in part, on our ability to effectively manage our future development and expansion.

Our business development organization is currently limited, and if we are unable to expand our business development organization to reach our existing and potential partners, our business may be adversely affected.

We currently have a limited number of business development professionals. We will need to expand our commercial organization in order to effectively market our platform capabilities to existing and new partners. Competition for employees capable of negotiating and entering into partnerships with pharmaceutical and biotechnology companies is intense. We may not be able to attract and retain personnel or be able to build an efficient and effective business development organization, which could negatively impact market adoption of our platform and limit our revenue growth and potential profitability. In addition, the time and cost of establishing a specialized business development or sales team for a particular

future service, technology, asset, or set of assets, may be difficult to justify in light of the revenue generated or projected.

Our expected future growth will impose significant added responsibilities on members of management, including the need to identify, recruit, maintain and integrate additional employees. Our future financial performance and our ability to successfully sell our programs and to compete effectively will depend, in part, on our ability to manage this potential future growth effectively, without compromising quality.

The loss of any member of our senior management team or our inability to attract and retain highly skilled scientists and business development professionals could adversely affect our business.

Our success depends on the skills, experience and performance of key members of our senior management team, including Sean McClain, our founder and Chief Executive Officer, and Matthew Weinstock, our Chief Technology Officer. The individual and collective efforts of these employees will be important as we continue to develop our platform and our technology, and as we expand our commercial activities. The loss or incapacity of existing members of our executive management team could adversely affect our operations if we experience difficulties in hiring qualified successors. While our executive officers are party to employment contracts with us, their employment with us is at-will, which means that either we or the executive may terminate their employment at any time, and we therefore cannot guarantee their retention for any period of time.

Our technology development programs and laboratory operations depend on our ability to attract and retain highly skilled personnel. We may not be able to attract or retain qualified personnel due to the intense competition for highly skilled scientists, including those focused on AI-powered biologic drug discovery and cell line development, as well as qualified business development and sales professionals, among life sciences companies. Competition for personnel with expertise in AI-powered drug discovery is particularly intense. Additionally, our geographic location in Vancouver, Washington, which does not have as high a concentration of innovative biotechnology or AI companies as other geographic locations, may negatively impact our ability to attract and retain top talent.

We also face competition from universities and public and private research institutions in recruiting and retaining highly qualified scientific personnel. We may have difficulties locating, recruiting or retaining qualified salespeople. Recruiting and retention difficulties can limit our ability to support our research and business development programs. A key risk in the area of retention is that all of our employees are at-will.

We may not realize the expected benefits of our recent acquisitions because of difficulties related to integration.

In January 2021, we consummated the Denovium acquisition, and, in June 2021, we consummated the Totient acquisition. We expect that the integration processes for such acquisitions will require significant time and resources, and we may not be able to manage such processes successfully. If we are not able to successfully integrate Denovium's or Totient's businesses with ours, the anticipated benefits of such acquisitions may not be realized fully or may take longer than expected to be realized. For instance, in connection with the Denovium acquisition, we acquired a team of computational biologists and artificial intelligence experts along with a proprietary deep learning platform geared for protein discovery and engineering. There is no guarantee that the assets acquired in the Denovium transaction will continue to benefit our projects or that we will be able to achieve our ultimate goal of in silico protein and cell line design. Further, it is possible that we will experience disruption of either our ongoing business or the legacy Denovium business, including as we continue to service a limited number of Denovium's ongoing contracts for the foreseeable future. We may also incur higher than expected costs as a result of the acquisitions or experience an overall post-completion process that takes longer than originally anticipated. In addition, at times the attention of certain members of our management and resources may be focused on integration of the acquired businesses and diverted from day-to-day business operations, which may disrupt our ongoing business and the business of the combined company. We have incurred, and expect to continue to incur, significant, non-recurring costs in connection with the acquisitions of Denovium and Totient and integrating our operations with Denovium's and Totient's, including costs to maintain employee morale and to retain key employees. Management cannot ensure that the elimination of duplicative costs or the realization of other efficiencies will offset the transaction and integration costs in the near term or at all. Furthermore, uncertainty about the effect of the Denovium acquisition or the Totient acquisition on our business, employees, partners, and third parties with whom we have relationships may have an adverse effect on our business, financial condition, results of

operations and prospects. In addition, such challenges in integrating our acquisition of Denovium or Totient may be magnified by the ongoing COVID-19 pandemic.

Other potential difficulties we may encounter as part of the integration process include (i) the challenge of integrating complex systems, operating procedures, regulatory compliance programs, technology, networks and other assets of Denovium and Totient in a seamless manner that minimizes any adverse impact on our employees, suppliers and other business partners; and (ii) potential unknown liabilities, liabilities that are significantly larger than we currently anticipate and unforeseen increased expenses or delays associated with the acquisition, including costs to integrate Denovium's and Totient's businesses that may exceed the costs that we currently anticipate. Accordingly, the contemplated benefits of the Denovium acquisition or the Totient acquisition may not be realized fully, or at all, or may take longer to realize than expected.

We have made technology acquisitions and expect to acquire businesses or assets or make investments in other companies or technologies that could negatively affect our operating results, dilute our stockholders' ownership, increase our debt or cause us to incur significant expense.

We have made technology acquisitions and expect to pursue acquisitions of businesses and assets in the future. We also may pursue strategic alliances and joint ventures that leverage our technologies and industry experience to expand our offerings. Additionally, we may invest in certain wholly-owned preclinical and/or clinical development programs with the goal of licensing them to partners for clinical development. Although we have acquired other businesses or assets in the past, including our acquisitions of Denovium in January 2021 and Totient in June 2021, we may not be able to find suitable partners or acquisition or asset purchase candidates in the future, and we may not be able to complete such transactions on favorable terms, if at all. The competition for partners or acquisition candidates may be intense, and the negotiation process will be time-consuming and complex. If we make any acquisitions, we may not be able to integrate these acquisitions successfully into our existing business, these acquisitions may not strengthen our competitive position, the transactions may be viewed negatively by partners or investors, we may be unable to retain key employees of any acquired business, relationships with key suppliers, manufacturers or partners of any acquired business may be impaired due to changes in management and ownership, and we could assume unknown or contingent liabilities. Any future acquisitions also could result in the incurrence of debt, contingent liabilities or future write-offs of intangible assets or goodwill, any of which could have a material adverse effect on our business, financial condition, results of operations and prospects. For example, in connection with our acquisition of Totient, Totient's Class A common stockholders and noteholders are eligible to receive up to an additional \$15 million in cash upon the achievement of certain milestones. We cannot guarantee that we will be able to fully recover the costs of any acquisition. Integration of an acquired company also may disrupt ongoing operations and require management resources that we would otherwise focus on developing our existing business. We may not realize the anticipated benefits of any acquisition, technology license, strategic alliance or joint venture. We also may experience losses related to investments in other companies, which could have a material adverse effect on our business, financial condition, results of operations and prospects. Acquisitions may also expose us to a variety of international and business related risks, including intellectual property, regulatory laws, local laws, tax and accounting.

To finance any acquisitions or asset purchase, we may choose to issue securities as consideration, which would dilute the ownership of our stockholders. Additional funds may not be available on terms that are favorable to us, or at all. If the price of our common stock is low or volatile, we may not be able to acquire companies or assets using our securities as consideration.

We may be subject to laws that generally govern the biopharmaceutical industry.

Biopharmaceutical companies are subject to additional healthcare regulation and enforcement by the federal government and by authorities in the states and foreign jurisdictions in which they conduct their business. These laws and regulations may constrain our relationships with our customers and partners. Such laws include, without limitation, state and federal anti-kickback, fraud and abuse, false claims, and transparency laws and regulations related to drug pricing and payments and other transfers of value made to physicians and other healthcare providers. If our partners' operations are found to be in violation of any of such laws or any other governmental regulations that apply, we may be subject to penalties, including, without limitation, administrative, civil and criminal penalties, damages, fines, disgorgement, the curtailment or restructuring of operations, integrity oversight and reporting obligations, exclusion from participation in federal and state healthcare programs and responsible individuals may be subject to imprisonment.

Our loan and security agreement contains covenants that restrict our operating activities, and we may be required to repay the outstanding indebtedness in an event of default, which could have a material adverse effect on our business, financial condition, results of operations and prospects.

In June 2018, we entered into a Loan and Security Agreement (LSA), which was subsequently amended, with Bridge Bank (Lender), a division of Western Alliance Bank pursuant to which the Lender agreed to provide us a term loan up to \$3.0 million with a maturity date in May 2022. We initially borrowed \$0.3 million that was funded in June 2018. In March 2019, we entered into a first amendment to the loan and security agreement to increase total borrowings to \$3.0 million. In May 2020, we entered into a second amendment to the loan and security agreement that increased total borrowings to \$5.0 million and extended the maturity term date through May 2024. In June 2021, we entered into the fifth amendment, which modified the term maturity date and related amortization schedule to end in June 2023. Until we have repaid such indebtedness, the LSA subjects us to various customary covenants, including requirements as to financial reporting, liquidity ratios and insurance and restrictions on our ability to dispose of our business or property, to change our line of business, to liquidate or dissolve, to enter into any change in control transaction, to merge or consolidate with any other entity or to acquire all or substantially all the capital stock or property of another entity, to incur additional indebtedness, to incur liens on our property, to pay any dividends or make other distributions on capital stock other than dividends payable solely in capital stock, to redeem capital stock, to enter into in-bound licensing agreements, to engage in transactions with affiliates, and to encumber our intellectual property. Our business may be adversely affected by these restrictions on our ability to operate our business.

Following the amendments, we were permitted to make interest only payments on the LSA through May 2021, at which time amortization began. However, we may be required to repay the outstanding indebtedness under the loan facility if an event of default occurs under the LSA. An event of default will occur if, among other things, we fail to make required payments under the LSA; we breach any of our covenants under the LSA, subject to specified cure periods with respect to certain breaches; the Lender determines that a material adverse change (as defined in the LSA) has occurred; we or our assets become subject to certain legal proceedings, such as bankruptcy proceedings; we are unable to pay our debts as they become due; or we default on contracts with third parties which would permit the third party to accelerate the maturity of such indebtedness or that could have a material adverse change on us. We may not have enough available cash or be able to raise additional funds through equity or debt financings to repay such indebtedness at the time any such event of default occurs. In such a case, we may be required to delay, limit, reduce or terminate our operations or grant to other parties the rights to develop and market our Integrated Drug Creation Platform that we would otherwise prefer to develop and market ourselves. The Lender could also exercise its rights as secured lender to take possession of and to dispose of the collateral securing the term loan, which collateral includes substantially all of our property (excluding intellectual property, which is subject to a negative pledge). Our business, financial condition, results of operations and prospects could be materially adversely affected as a result of any of these events.

Our inability to collect on our accounts receivable by a significant number of partners may have an adverse effect on our business, financial condition and results of operations.

Invoices issued to our partners are generally made on open credit terms. While we have not experienced an inability to collect on accounts receivable from our partners historically, it may occur in the future. Management assesses the need to maintain an allowance for potential credit losses each reporting period. If our partners' cash flow, working capital, financial conditions or results of operations deteriorate, they may be unable or even unwilling to pay trade receivables owed to us promptly or at all. As a result, we could be exposed to a certain level of credit risk. If a major partner experiences, or a significant number of partners experience, financial difficulties, the effect on us could be material and have an adverse effect on our business, financial condition and results of operations.

If our operating facility becomes damaged or inoperable or we are required to vacate our facility, our ability to conduct and pursue our technology development efforts may be jeopardized.

We currently operate primarily through a single facility located in Vancouver, Washington. Our facility and equipment could be harmed or rendered inoperable or inaccessible by natural or man-made disasters or other circumstances beyond our control, including fire, earthquake, power loss, communications failure, war or terrorism, or another catastrophic event, such as a pandemic or similar outbreak or public health crisis, which may render it difficult or impossible for us to support our partners and develop updates, upgrades and other improvements to our technology and platform, advanced automation systems, and advanced application for some period of time. We may be unable to execute on our technology development activities if our facility is inoperable or suffers a loss of utilization for even a short period of time, may result in the loss of partners or harm to our reputation, and we may be unable to regain those partners or repair our reputation in the future. Furthermore, our facility and the equipment we use to perform our technology development work could be unavailable or costly and time-consuming to repair or replace. It would be difficult, time-consuming and expensive to rebuild our facility, to locate and qualify a new facility or license or transfer our proprietary technology to a third party. Even in the event we are able to find a third party to assist in technology development efforts, we may be unable to negotiate commercially reasonable terms to engage with the third party.

We depend on our information technology systems, and any failure of these systems could harm our business.

We depend on information technology and telecommunications systems for significant elements of our business operations, including the operation of our AI platform (Denovium Engine), our antibody discovery software platform, our computational biology system, our knowledge management system, our partner reporting, our platform, our advanced automation systems, and advanced application software. These systems involve computational resources and data storage distributed between onsite servers, cloud platforms hosted by numerous third-party providers (e.g., Amazon Web Services), and a private graphics processing unit cluster owned by us but located and maintained at a facility in Texas. We have installed, and expect to expand, a number of enterprise software systems that affect a broad range of business processes and functional areas, including for example, systems handling human resources, procurement, financial controls and reporting, contract management, regulatory compliance and other infrastructure operations. These implementations were expensive and required a significant effort in terms of both time and effort. In addition to the aforementioned business systems, we intend to extend the capabilities of both our preventative and detective security controls by augmenting the monitoring and alerting functions, the network design and the automatic countermeasure operations of our technical systems. These information technology and telecommunications systems support a variety of functions, including manufacturing operations, laboratory operations, data analysis, quality control, partner service and support, billing, research and development activities, scientific and general administrative activities. A significant risk in implementing these systems includes the integration and communication between separate IT systems, and any failure to integrate these systems effectively could adversely affect various aspects of our operations.

International expansion of our business exposes us to business, regulatory, political, operational, financial and economic risks associated with doing business outside of the United States.

Because we currently market our technologies and our partners may market products derived from our technologies outside of the United States and we or our partners may market future technologies, products and services outside of the United States, if cleared, authorized or approved, our business is subject to risks associated with doing business outside of the United States, including an increase in our expenses and diversion of our management's attention from the development of future products and services. In addition, as a result of the Totient acquisition, we currently maintain offices and have employees located in Serbia. Our current and planned international operations could expose us to additional risks that may adversely affect our business and financial results, including:

- multiple, conflicting and changing laws and regulations such as privacy security and data use regulations, tax laws, export and import restrictions, economic sanctions and embargoes, employment laws, anticorruption laws, regulatory requirements, reporting and disclosure obligations, reimbursement or payor regimes and other governmental approvals, permits and licenses;
- failure by us, our partners or our distributors to obtain regulatory clearance, authorization or approval for the use of our technologies in various countries;

- additional potentially relevant third-party patent rights;
- complexities and difficulties in obtaining intellectual property protection and enforcing our intellectual property;
- difficulties in staffing and managing foreign operations;
- complexities associated with managing multiple payor reimbursement regimes, government payors or patient self-pay systems;
- difficulties in negotiating favorable reimbursement negotiations with governmental authorities;
- complexities in technology transfer regulations and logistics related to delivery of our bioengineered *E. coli* to partners;
- logistics and regulations associated with shipping samples, including infrastructure conditions and transportation delays;
- limits in our ability to penetrate international markets if we are not able to conduct our operations locally;
- financial risks, such as longer payment cycles, difficulty collecting accounts receivable, the impact of local and regional financial crises on demand and payment for our technologies, exposure to foreign currency exchange rate fluctuations and different tax jurisdictions;
- natural disasters, political and economic instability, including wars, terrorism and political unrest (particularly in light of potential escalating conflicts between Russia and Ukraine) , outbreak of disease, boycotts, curtailment of trade, including as a result of tariffs, export controls and sanctions implemented by or against the United States in relation to other countries or jurisdictions, and other business restrictions;
- certain expenses, including expenses for travel, translation services, labor and employment costs and insurance;
- regulatory and compliance risks that relate to maintaining accurate information and control over sales and distributors' activities that may fall within the purview of the U.S. Foreign Corrupt Practices Act (FCPA), its books and records provisions, or its anti-bribery provisions, or laws similar to the FCPA in other jurisdictions in which we may now or in the future operate, such as the United Kingdom's Bribery Act of 2010; and
- onerous anti-bribery requirements of several member states in the European Union (EU), such as the United Kingdom's Bribery Act of 2010, and other countries that are constantly changing and require disclosure of information to which U.S. legal privilege may not extend.

Any of these factors could significantly harm our future international expansion and operations and, consequently, our revenue and results of operations.

Our business activities are subject to the FCPA and other anti-bribery and anti-corruption laws of the United States and other countries in which we operate, as well as U.S. and certain foreign export controls and trade sanctions. Violations of such legal requirements could subject us to liability.

We are subject to the FCPA, which among other things prohibits companies and their third-party intermediaries from offering, promising, giving or authorizing others to give anything of value, either directly or indirectly, to non-U.S. government officials for the purpose of obtaining or retaining business or securing any other improper advantage. The FCPA also requires public companies to make and keep books and records that accurately and fairly reflect the transactions of the corporation and to devise and maintain an adequate system of internal accounting controls. Companies in the biotechnology and biopharmaceutical field are highly regulated and therefore involve interactions with public officials, including officials of non-U.S. governments. Additionally, in many other countries, hospitals are owned and operated by the government, and doctors and other hospital employees would be considered foreign officials under the FCPA. These laws are complex and far-reaching in nature, and, as a result, there is no certainty that all of our employees, agents or contractors will comply with such laws and regulations. Any violations of these laws, or

allegations of such violations, could disrupt our operations, involve significant management distraction, involve significant costs and expenses, including legal fees, and could result in a material adverse effect on our business, financial condition, results of operations and prospects. We could also suffer severe penalties, including criminal and civil penalties, disgorgement and other remedial measures.

We use biological and hazardous materials that require considerable expertise and expense for handling, storage and disposal and may result in claims against us.

We work with materials, including chemicals, biological agents and compounds that could be hazardous to human health and safety or the environment. Our operations also produce hazardous and biological waste products. Our SoluPro system is based on bioengineered E. coli, which could pose a health risk if improperly handled. Additionally, we employ various synthetic biology processes, which could involve the use or emission of harmful materials. Federal, state and local laws and regulations govern the use, generation, manufacture, storage, handling and disposal of these materials and wastes. We may be subject to periodic inspections by relevant authorities to ensure compliance with applicable laws. Compliance with applicable environmental laws and regulations is expensive, and current or future environmental laws and regulations may restrict our operations. If we do not comply with applicable regulations, we may be subject to fines and penalties.

In addition, we cannot eliminate the risk of accidental injury or contamination from these materials or wastes, which could cause an interruption of our commercialization efforts, technology development programs and business operations, as well as environmental damage resulting in costly clean-up and liabilities under applicable laws and regulations. In the event of contamination or injury, we could be liable for damages or penalized with fines in an amount exceeding our resources and our operations could be suspended or otherwise adversely affected. Furthermore, environmental laws and regulations are complex, change frequently and have tended to become more stringent. We cannot predict the impact of such changes and cannot be certain of our future compliance.

Public health crises such as pandemics or similar outbreaks could cause a disruption of the development of our platform technologies, and adversely impact our business.

In late 2019, a novel strain of coronavirus, SARS-CoV-2, which resulted in the ongoing COVID-19 pandemic, surfaced in Wuhan, China. Since then, COVID-19 has spread across the globe and to multiple regions within the United States, including Vancouver, Washington, where our primary office and laboratory space is located. The COVID-19 pandemic is continuing to evolve, and to date has led to the implementation of various responses, including government imposed shelter-in-place orders, quarantines, travel restrictions, vaccination and mask mandates and other public health safety measures, as well as reported adverse impacts on healthcare resources, facilities and providers across the United States and in other countries. In addition, the spread of more contagious strains, such as the Omicron and Delta variants, could cause the COVID-19 pandemic to last longer than expected. In the event that government authorities were to further modify current restrictions, our employees conducting technology development or manufacturing activities may not be able to access our laboratory and manufacturing space, and our core activities may be significantly limited or curtailed, possibly for an extended period of time.

Our business has been and may continue to be impacted negatively in a number of ways. For example, we have experienced delays in technology development activities due to supply chain interruptions related to global personnel shortages resulting in delays or pauses in the distribution of raw materials and finished goods, as well as diversion of personal protective equipment and biotechnology research and biomanufacturing supplies to healthcare organizations and COVID-19 vaccine developers. In addition, the global focus on the pandemic and uncertainties of markets has extended our business development timelines, and has negatively impacted our partners' and potential partners' willingness to advance negotiations in a timely manner. We have also experienced difficulties recruiting personnel, especially from outside our region, due to travel restrictions and overall uncertainties and reluctance of prospective employees to relocate during the COVID-19 pandemic.

As a result of the ongoing COVID-19 pandemic, or similar pandemics and outbreaks, we have experienced and may continue to experience severe delays and disruptions, including, for example:

- interruption of or delays in receiving products and supplies from third parties;
- limitations on our business operations by local, state and/or federal governments that could impact our ability to conduct our technology development and other activities;

- delays in negotiations with partners and potential partners;
- increases in facilities costs to comply with physical distancing guidance;
- business disruptions caused by workplace, laboratory and office closures and an increased reliance on employees working from home, travel limitations, cyber security and data accessibility, or communication or mass transit disruptions; and
- limitations on employee resources that would otherwise be focused on the conduct of our activities, including because of sickness of employees or their families or the desire of employees to avoid contact with large groups of people.

Any of these factors could severely impact our technology development activities, business operations and business development, or delay necessary interactions with local regulators, and other important contractors and partners. These and other factors arising from the COVID-19 pandemic could worsen in countries that are already afflicted with COVID-19, could continue to spread to additional countries, or could return to countries where the pandemic has been partially contained, and could further adversely impact our ability to conduct our business generally and have a material adverse impact on our operations and financial condition and results.

The extent to which the COVID-19 pandemic may negatively impact our operations and results of operations or those of our stakeholders will depend on future developments, which are highly uncertain and cannot be predicted with confidence, such as the ultimate geographic spread of the disease, the duration of the outbreak, travel restrictions, additional or modified government actions, new information that will emerge concerning the severity and impact of the COVID-19 pandemic, the spread of new and potentially more contagious strains of COVID-19, such as the Omicron and Delta variants, and actions to contain the outbreak or treat its impact, such as social distancing, quarantines, isolation periods, lock-downs or business closures.

We rely and expect in the future to rely on a limited number of outside parties to perform the cGMP manufacturing for clinical development and commercialization of any biologic product candidates produced using our technology. Limitations in this global cGMP manufacturing capacity could delay or prevent clinical development and/or commercialization efforts.

We develop manufacturing processes that are required to use our cell lines, but we do not currently have capabilities to manufacture products in accordance with cGMPs. We rely on the in-house manufacturing capabilities of our partners or capabilities of established third-party contract development and manufacturing organizations (CDMOs) to manufacture biologic drug candidates generated with our technology. Manufacturing capacity maintained by our partners or third-party CDMOs is a finite resource that is in demand. Shortages in cGMP manufacturing capacity are difficult to predict and could hamper our operations and harm our business.

Risks Related to Our Intellectual Property

If we are unable to obtain and maintain sufficient intellectual property protection for our technologies, including our platform, Denovium Engine deep learning technology and computational antibody and target discovery technology, or if the scope of the intellectual property protection obtained is not sufficiently broad, our competitors could develop and commercialize technologies or a platform similar or identical to ours, and our ability to successfully leverage our platform technologies may be impaired.

We rely on patent protection as well as trademark, copyright, trade secret and other intellectual property rights protection and contractual restrictions to protect our proprietary technologies, all of which provide limited protection and may not adequately protect our rights or permit us to gain or keep a competitive advantage. If we fail to protect our intellectual property, third parties may be able to compete more effectively against us. In addition, we may incur substantial litigation costs in our attempts to recover or restrict the use of our intellectual property.

To the extent our intellectual property offers inadequate protection, or is found to be invalid or unenforceable, we would be exposed to a greater risk of direct competition. If our intellectual property does not provide adequate coverage of our competitors' products and services, our competitive position could be adversely affected, as could our business. Both the patent application process and the process of managing patent disputes can be time-consuming and expensive.

Our success depends in large part on our ability to obtain and maintain adequate protection of the intellectual property we may own solely and jointly with others or otherwise have rights to, particularly patents, in the United States and in other countries with respect to our platform, our software and our technologies, without infringing the intellectual property rights of others.

We strive to protect and enhance the proprietary technologies that we believe are important to our business, including seeking patents intended to cover our platform and related technologies and uses thereof, as we deem appropriate. Our patents and patent applications in the United States and certain foreign jurisdictions relate to our technology. However, obtaining and enforcing patents in our industry is costly, time-consuming and complex, and we may fail to apply for patents on important products and technologies in a timely fashion or at all, or we may fail to apply for patents in potentially relevant jurisdictions. There can be no assurance that the claims of our patents (or any patent application that issues as a patent), will exclude others from making, using or selling our technology or technology that is substantially similar to ours. We also rely on trade secrets to protect aspects of our business that are not amenable to, or that we do not consider appropriate for, patent protection. In countries where we have not sought and do not seek patent protection, third parties may be able to manufacture and sell our technology without our permission, and we may not be able to stop them from doing so. We may not be able to file and prosecute all necessary or desirable patent applications, or maintain, enforce and license any patents that may issue from such patent applications, at a reasonable cost or in a timely manner. It is also possible that we will fail to identify patentable aspects of our technology development output before it is too late to obtain patent protection. We may not have the right to control the preparation, filing and prosecution of patent applications, or to maintain the rights to patents licensed to third parties. Therefore, these patents and applications may not be prosecuted and enforced in a manner consistent with the best interests of our business.

As of March 1, 2022, we own 54 issued or granted patents and 109 pending patent applications worldwide, which includes five issued U.S. patents and 60 pending U.S. patent applications. It is possible that none of our pending patent applications will result in issued patents in a timely fashion or at all, and even if patents are granted, they may not provide a basis for intellectual property protection of commercially viable products or services, may not provide us with any competitive advantages, or may be challenged and invalidated by third parties. It is possible that others will design around our current or future patented technologies. As a result, our owned and licensed patents and patent applications comprising our patent portfolio may not provide us with sufficient rights to exclude others from commercializing technology and products similar to any of our technology.

It is possible that in the future some of our patents, licensed patents and patent applications may be challenged at the USPTO or in proceedings before the patent offices of other jurisdictions. We may not be successful in defending any such challenges made against our patents or patent applications. Any successful third party challenge to our patents could result in loss of exclusivity or freedom to operate, patent claims being narrowed, the unenforceability or invalidity of such patents, in whole or in part, which could limit our ability to stop others from using or commercializing similar or identical technology and products, limit the duration of the patent protection of our technology, and increased competition to our business. We may have to challenge the patents or patent applications of third parties. The outcome of patent litigation or other proceeding can be uncertain, and any attempt by us to enforce our patent rights against others or to challenge the patent rights of others may not be successful, or, if successful, may take substantial time and result in substantial cost, and may divert our efforts and attention from other aspects of our business.

Any changes we make to our technology, including changes that may be required for commercialization or that cause them to have what we view as more advantageous properties may not be covered by our existing patent portfolio, and we may be required to file new applications and/or seek other forms of protection for any such alterations to our technology. There can be no assurance that we would be able to secure patent protection that would adequately cover an alternative to our technology.

The patent positions of life sciences companies can be highly uncertain and involve complex legal and factual questions for which important legal principles remain unresolved. No consistent policy regarding the breadth of claims allowed in such companies' patents has emerged to date in the United States or elsewhere. Courts frequently render opinions in the biotechnology field that may affect the patentability of certain inventions or discoveries.

Changes in patent law in the United States and other jurisdictions could diminish the value of patents in general, thereby impairing our ability to protect our technologies.

Changes in either the patent laws or in interpretations of patent laws in the United States or other countries or regions may diminish the value of our intellectual property. We cannot predict the breadth of claims that may be allowed or enforced in our patents or in third party patents. We may not develop additional proprietary platforms, methods and technologies that are patentable.

Assuming that other requirements for patentability are met, prior to March 16, 2013, in the United States, the first to invent the claimed invention was entitled to the patent, while outside the United States, the first to file a patent application was entitled to the patent. On or after March 16, 2013, under the Leahy-Smith America Invents Act (America Invents Act) enacted in September 16, 2011, the United States transitioned to a first inventor to file system in which, assuming that other requirements for patentability are met, the first inventor to file a patent application will be entitled to the patent on an invention regardless of whether a third party was the first to invent the claimed invention. A third party that files a patent application in the USPTO on or after March 16, 2013, but before us could therefore be awarded a patent covering an invention of ours even if we had made the invention before it was made by such third party. This will require us to be cognizant of the time from invention to filing of a patent application. Since patent applications in the United States and most other countries are confidential for a period of time after filing or until issuance, we cannot be certain that we or our licensors were the first to either (i) file any patent application related to our technology or (ii) invent any of the inventions claimed in our or our licensor's patents or patent applications.

The America Invents Act also includes a number of significant changes that affect the way patent applications will be prosecuted and also may affect patent litigation. These include allowing third party submission of prior art to the USPTO during patent prosecution and additional procedures to attack the validity of a patent by USPTO administered post-grant proceedings, including post-grant review, inter partes review and derivation proceedings. Because of a lower evidentiary standard in USPTO proceedings compared to the evidentiary standard in United States federal courts necessary to invalidate a patent claim, a third party could potentially provide evidence in a USPTO proceeding sufficient for the USPTO to hold a claim invalid even though the same evidence would be insufficient to invalidate the claim if first presented in a district court action. Accordingly, a third party may attempt to use the USPTO procedures to invalidate our patent claims that would not have been invalidated if first challenged by the third party as a defendant in a district court action. Therefore, the America Invents Act and its implementation could increase the uncertainties and costs surrounding the prosecution of our owned or any future in-licensed patent applications and the enforcement or defense of our owned or any future in-licensed issued patents, all of which could have a material adverse effect on our business, financial condition, results of operations and prospects.

In addition, the patent position of companies in the biotechnology field is particularly uncertain. Various courts, including the United States Supreme Court have rendered decisions that affect the scope of patentability of certain inventions or discoveries relating to biotechnology. These decisions state, among other things, that a patent claim that recites an abstract idea, natural phenomenon or law of nature (for example, the relationship between particular genetic variants and cancer) are not themselves patentable. Precisely what constitutes a law of nature or abstract idea is uncertain, and it is possible that certain aspects of our technology could be considered natural laws. Accordingly, the evolving case law in the United States may adversely affect our and our licensors' ability to obtain new patents or to enforce existing patents and may facilitate third party challenges to any owned or licensed patents.

Issued patents covering our platform and technologies could be found invalid or unenforceable if challenged.

The issuance of a patent is not conclusive as to its inventorship, scope, validity or enforceability. Some of our patents or patent applications (including licensed patents) may be challenged at a future point in time in opposition, derivation, reexamination, inter partes review, post-grant review or interference. Any successful third party challenge to our patents in this or any other proceeding could result in the unenforceability or invalidity of such patents or amendment to our patents in such a way that they no longer cover our platform and our technology, which may lead to increased competition to our business, which could harm our business. In addition, in patent litigation in the United States, defendant counterclaims alleging invalidity or unenforceability are commonplace. The outcome following legal assertions of invalidity and unenforceability during patent litigation is unpredictable. If a defendant were to prevail on a legal assertion of invalidity or unenforceability, we would lose at least part, and perhaps all, of the patent protection on certain aspects of

our platform technologies. In addition, if the breadth or strength of protection provided by our patents and patent applications is threatened, regardless of the outcome, it could dissuade companies from collaborating with us to license, develop or commercialize current or future products.

We may not be aware of all third party intellectual property rights potentially relating to our platform or technology. Publications of discoveries in the scientific literature often lag behind the actual discoveries, and patent applications in the United States and other jurisdictions are typically not published until approximately 18 months after filing or, in some cases, not until such patent applications issue as patents. We or our licensors might not have been the first to make the inventions covered by each of our pending patent applications and we or our licensors might not have been the first to file patent applications for these inventions. There is also no assurance that all of the potentially relevant prior art relating to our patents and patent applications or licensed patents and patent applications has been found, which could be used by a third party to challenge their validity, or prevent a patent from issuing from a pending patent application.

To determine the priority of these inventions, we may have to participate in interference proceedings, derivation proceedings or other post-grant proceedings declared by the USPTO that could result in substantial cost to us. The outcome of such proceedings is uncertain. No assurance can be given that other patent applications will not have priority over our patent applications. In addition, changes to the patent laws of the United States allow for various post-grant opposition proceedings that have not been extensively tested, and their outcome is therefore uncertain. Furthermore, if third parties bring these proceedings against our patents, we could experience significant costs and management distraction.

We may come to rely on in-licenses from third parties. If we were to lose these rights, our business could be materially adversely affected, our ability to develop improvements to our platform or technologies could be negatively and substantially impacted, and if disputes arise, we could be subjected to future litigation as well as the potential loss of or limitations on our ability to incorporate the technology covered by these license agreements.

We may need to obtain licenses from third parties to advance our research, development and commercialization activities. We expect that any future exclusive in-license agreements will impose various development, diligence, commercialization and other obligations on us. We may enter into engagements in the future, with other licensors under which we obtain certain intellectual property rights relating to our platform and technologies. These engagements may take the form of an exclusive license or of actual ownership of intellectual property rights or technologies from third parties. Our rights to use the technologies we license may be subject to the continuation of and compliance with the terms of those agreements. In some cases, we may not control the prosecution, maintenance or filing of the patents to which we hold licenses, or the enforcement of those patents against third parties.

Moreover, disputes may arise with respect to our licensing or other upstream agreements, including:

- the scope of rights granted under the agreements and other interpretation-related issues;
- the extent to which our technology development processes infringe on intellectual property of the licensor that is not subject to the licensing agreement;
- the sublicensing of patent and other rights under our partnership agreements;
- our diligence obligations under the license agreements and what activities satisfy those diligence obligations;
- the inventorship and ownership of inventions and know-how resulting from the joint creation or use of intellectual property by our licensors and us and our partners; and
- the priority of invention of patented technology.

In spite of our efforts to comply with our obligations under any future in-license agreements, our licensors might conclude that we have materially breached our obligations under our license agreements and might therefore, including in connection with any aforementioned disputes, terminate the relevant license agreement, thereby removing or limiting our ability to develop and commercialize technology covered by these license agreements. If any such in-license is terminated, or if the licensed patents fail to provide the intended exclusivity, competitors or other third parties might have the freedom to market or develop technologies similar to ours. In addition, absent the rights granted to us under such license agreements, we

may infringe the intellectual property rights that are the subject of those agreements, we may be subject to litigation by the licensor, and if such litigation by the licensor is successful we may be required to pay damages to our licensor, or we may be required to cease our technology development and commercialization activities which are deemed infringing, and in such event we may ultimately need to modify our activities or technologies to design around such infringement, which may be time- and resource-consuming, and which may not be ultimately successful. Any of the foregoing could have a material adverse effect on our business, financial condition, results of operations and prospects.

In addition, our rights to future components of our platform, may be licensed to us on a non-exclusive basis. The owners of these non-exclusively licensed technologies would therefore be free to license them to third parties, including our competitors, on terms that may be superior to those offered to us, which could place us at a competitive disadvantage. Moreover, our licensors may own or control intellectual property that has not been licensed to us and, as a result, we may be subject to claims, regardless of their merit, that we are infringing or otherwise violating the licensor's rights. In addition, certain of our agreements with third parties may provide that intellectual property arising under these agreements, such as data that could be valuable to our business, will be owned by the counterparty, in which case, we may not have adequate rights to use such data or have exclusivity with respect to the use of such data, which could result in third parties, including our competitors, being able to use such data to compete with us.

If we cannot acquire or license rights to use technologies on reasonable terms or if we fail to comply with our obligations under such agreements, we may not be able to commercialize new technologies or services in the future and our business could be harmed.

In the future, we may identify third party intellectual property and technologies we may need to acquire or license in order to engage in our business, including to develop or commercialize new technologies or services, and the growth of our business may depend in part on our ability to acquire, in-license or use these technologies. However, we may not be able to acquire or in-license rights to these technologies on acceptable terms or at all. The licensing or acquisition of third party intellectual property rights is a competitive area, and several more established companies may pursue strategies to license or acquire third party intellectual property rights that we may consider attractive or necessary. These established companies may have a competitive advantage over us due to their size, capital resources and greater technology development or commercialization capabilities. In addition, companies that perceive us to be a competitor may be unwilling to assign or license rights to us. Even if such licenses are available, we may be required to pay the licensor in return for the use of such licensor's technology, upfront or technology access fees, payments based on certain development, regulatory or commercial milestones such as sales volumes, or royalties based royalties received or milestones achieved by our partners. In addition, such licenses may be non-exclusive, which could give our competitors access to the same intellectual property licensed to us.

In spite of our best efforts, our licensors might conclude that we have materially breached our license agreements and might therefore terminate the license agreements, thereby removing our ability to develop and commercialize technologies covered by these license agreements. If these licenses are terminated, or if the underlying intellectual property fails to provide the intended exclusivity, competitors would have the freedom to seek regulatory approval of, and to market, technologies identical to ours. This could have a material adverse effect on our competitive position, business, financial condition, results of operations and prospects. Additionally, termination of these agreements or reduction or elimination of our rights under these agreements, or restrictions on our ability to freely assign or sublicense our rights under such agreements when it is in the interest of our business to do so, may result in our having to negotiate new or reinstated agreements with less favorable terms, or cause us to lose our rights under these agreements, including our rights to important intellectual property or technologies or impede, or delay or prohibit the further development or commercialization of one or more technologies that rely on such agreements.

While we still face all of the risks described herein with respect to those agreements, we cannot prevent third parties from also accessing those technologies. In addition, our licenses may place restrictions on our future business opportunities.

In addition to the above risks, intellectual property rights that we license in the future may include sublicenses under intellectual property owned by third parties, in some cases through multiple tiers. The actions of our licensors may therefore affect our rights to use our sublicensed intellectual property, even if we are in compliance with all of the obligations under our license agreements. Should our licensors or any of the upstream licensors fail to comply with their obligations under the agreements pursuant to which they obtain

the rights that are sublicensed to us, or should such agreements be terminated or amended, our or our partners' ability to further commercialize our technologies or products generated using our technologies may be materially harmed.

Further, we may not have the right to control the prosecution, maintenance and enforcement of all of our licensed and sublicensed intellectual property, and even when we do have such rights, we may require the cooperation of our licensors and upstream licensors, which may not be forthcoming. Our business could be adversely affected if we or our licensors are unable to prosecute, maintain and enforce our licensed and sublicensed intellectual property effectively.

Our licensors may have relied on third-party consultants or partners or on funds from third parties such that our licensors are not the sole and exclusive owners of the patents and patent applications we in-license. If other third parties have ownership rights to patents or patent applications we in-license, they may be able to license such patents to our competitors, and our competitors could market competing technologies and services. This could have a material adverse effect on our competitive position, business, financial conditions, results of operations and prospects.

Our business, financial condition, results of operations and prospects could be materially and adversely affected if we are unable to enter into necessary agreements on acceptable terms or at all, if any necessary licenses are subsequently terminated, if the licensors fail to abide by the terms of the licenses or fail to prevent infringement by third parties, or if the acquired or licensed patents or other rights are found to be invalid or unenforceable. Moreover, we could encounter delays in advancing ongoing or initiating new technology development programs while we attempt to develop alternatives. Defense of any lawsuit or failure to obtain any of these licenses on favorable terms could prevent us from developing technologies or advancing partnerships, which could harm our business, financial condition, results of operations and prospects.

We may not be able to protect our intellectual property rights throughout the world.

Filing, prosecuting and defending patents on our platform, technologies, software, systems and processes in all countries throughout the world would be prohibitively expensive, and our intellectual property rights in some countries outside the United States can be less extensive than those in the United States. In addition, the laws of some foreign countries do not protect intellectual property rights to the same extent as the laws of the United States, and even where such protection is nominally available, judicial and governmental enforcement of such intellectual property rights may be lacking. Whether filed in the United States or abroad, our patent applications may be challenged or may fail to result in issued patents. Further, we may encounter difficulties in protecting and defending such rights in foreign jurisdictions. Consequently, we may not be able to prevent third parties from practicing our inventions in some or all countries outside the United States, or from selling or importing products made using our inventions in and into the United States or other jurisdictions. Competitors may use our technologies in jurisdictions where we have not obtained patent protection to develop their own platform or technologies and may also sell their products or services to territories where we have patent protection, but enforcement is not as strong as that in the United States. These platforms and technologies may compete with ours. Our patents or other intellectual property rights may not be effective or sufficient to prevent them from competing. In addition, certain countries have compulsory licensing laws under which a patent owner may be compelled to grant licenses to other parties. Furthermore, many countries limit the enforceability of patents against other parties, including government agencies or government contractors. In these countries, the patent owner may have limited remedies, which could materially diminish the value of any patents. In many foreign countries, patent applications and/or issued patents, or parts thereof, must be translated into the native language. If our patent applications or issued patents are translated incorrectly, they may not adequately cover our technologies; in some countries, it may not be possible to rectify an incorrect translation, which may result in patent protection that does not adequately cover our technologies in those countries.

Many companies have encountered significant problems in protecting and defending intellectual property rights in foreign jurisdictions. The legal systems of many other countries do not favor the enforcement of patents and other intellectual property protection, particularly those relating to biotechnology, which could make it difficult for us to stop the misappropriation or other violations of our intellectual property rights including infringement of our patents in such countries. Proceedings to enforce our patent rights in foreign jurisdictions could result in substantial cost and divert our efforts and attention from other aspects of our business, could put our patents at risk of being invalidated or interpreted narrowly and our patent

applications at risk of not issuing, and could provoke third parties to assert claims against us. We may not prevail in any lawsuits that we initiate, or that are initiated against us, and the damages or other remedies awarded, if any, may not be commercially meaningful. In addition, changes in the law and legal decisions by courts in the United States and foreign countries may affect our ability to obtain adequate protection for our technologies and the enforcement of intellectual property. Accordingly, our efforts to enforce our intellectual property rights around the world may be inadequate to obtain a significant commercial advantage from the intellectual property that we develop or license.

Intellectual property rights do not necessarily address all potential threats to our competitive advantage.

The degree of future protection afforded by our intellectual property rights is uncertain because intellectual property rights have limitations and may not adequately protect our business or permit us to maintain our competitive advantage. For example:

- others may be able to make products that are similar to any product candidates generated by our technologies that our partners may develop but that are not covered by the claims of the patents that we own or may license or own in the future;
- we, or our current or future partners, might not have been the first to make the inventions covered by the issued patents and pending patent applications that we own or may license or own in the future;
- we, or our current or future partners, might not have been the first to file patent applications covering certain of our or their inventions;
- others may independently develop similar or alternative technologies or duplicate any of our technologies without infringing our owned or any future licensed intellectual property rights;
- it is possible that our pending patent applications or those that we may own in the future will not lead to issued patents;
- issued patents that we hold rights to may be held invalid or unenforceable, including as a result of legal challenges by our competitors;
- our competitors might conduct research and development activities in countries where we do not have patent rights and then use the information learned from such activities to develop competitive products for sale in our major commercial markets;
- we cannot ensure that any patents issued to us or our licensors will provide a basis for an exclusive market for our commercially viable technologies or will provide us with any competitive advantages;
- we cannot ensure that our commercial activities or technologies will not infringe upon the patents of others;
- we cannot ensure that we or our partners or future licensees will be able to further commercialize our technologies on a substantial scale, if approved, before the relevant patents that we own or may license expire;
- we cannot ensure that any of our patents, or any of our pending patent applications, if issued, or those of our licensors, will include claims having a scope sufficient to protect our technology;
- we may not develop additional proprietary technologies that are patentable;
- the patents or intellectual property rights of others may harm our business; and
- we may choose not to file a patent application in order to maintain certain trade secrets or know-how, and a third party may subsequently file a patent covering such intellectual property.

Should any of these events occur, they could have a material adverse effect on our business, financial condition, results of operations and prospects.

If we are unable to protect the confidentiality of our information and our trade secrets, the value of our technologies could be materially adversely affected and our business could be harmed.

We rely heavily on trade secrets and confidentiality agreements to protect our unpatented know-how, technologies and other proprietary information, including parts of our technology platform, and to maintain our competitive position. However, trade secrets and know-how can be difficult to protect. In addition to pursuing patents on our technologies, we take steps to protect our intellectual property and proprietary technologies by entering into agreements, including confidentiality agreements, non-disclosure agreements and intellectual property assignment agreements, with our employees, consultants, academic institutions, corporate and/or strategic partners, potential or existing investors and, when needed, our advisers. However, we cannot be certain that such agreements have been entered into with all relevant parties, and we cannot be certain that our trade secrets and other confidential proprietary information will not be disclosed or that competitors will not otherwise gain access to our trade secrets or independently develop substantially equivalent information and techniques. For example, any of these parties may breach the agreements and disclose our proprietary information, including our trade secrets, and we may not be able to obtain adequate remedies for such breaches. Such agreements may not be enforceable or may not provide meaningful protection for our trade secrets or other proprietary information in the event of unauthorized use or disclosure or other breaches of the agreements, and we may not be able to prevent such unauthorized disclosure, which could adversely impact our ability to establish or maintain a competitive advantage in the market. If we are required to assert our rights against such party, it could result in significant cost and distraction.

Monitoring unauthorized disclosure and detection of unauthorized disclosure is difficult, and we do not know whether the steps we have taken to prevent such disclosure are, or will be, adequate. If we were to enforce a claim that a third party had illegally obtained and was using our trade secrets, it would be expensive and time-consuming, and the outcome would be unpredictable. In addition, some courts both within and outside the United States may be less willing, or unwilling, to protect trade secrets. Further, we may need to share our trade secrets and confidential know-how with current or future business partners, collaborators, contractors and others located in countries at heightened risk of theft of trade secrets, including through direct intrusion by private parties or foreign actors, and those affiliated with or controlled by state actors.

We also seek to preserve the integrity and confidentiality of our confidential proprietary information by maintaining physical security of our premises and physical and electronic security of our information technology systems, but it is possible that these security measures could be breached. If any of our confidential proprietary information were to be lawfully obtained or independently developed by a competitor or other third party, absent patent protection, we would have no right to prevent such competitor from using that technology or information to compete with us, which could harm our competitive position. If any of our trade secrets were to be disclosed to or independently discovered by a competitor or other third party, it could harm our business, financial condition, results of operations and prospects.

We may be subject to claims that our employees, consultants or independent contractors have wrongfully used or disclosed confidential information of third parties or that our employees have wrongfully used or disclosed alleged trade secrets of their former employers.

We have employed and expect to employ individuals who were previously employed at universities or other companies. Although we try to ensure that our employees, consultants, advisors and independent contractors do not use the proprietary information or know-how of others in their work for us, we may be subject to claims that our employees, advisors, consultants or independent contractors have inadvertently or otherwise used or disclosed intellectual property, including trade secrets or other proprietary information of their former employers or other third parties, or to claims that we have improperly used or obtained such trade secrets. Litigation may be necessary to defend against these claims. If we fail in defending such claims, in addition to paying monetary damages, we may lose valuable intellectual property rights and face increased competition to our business. A loss of key research personnel work product could hamper or prevent our ability to commercialize potential technologies and solutions, which could harm our business. Even if we are successful in defending against these claims, litigation could result in substantial costs and be a distraction to management.

In addition, while it is our policy to require our employees and contractors who may be involved in the conception or development of intellectual property to execute agreements assigning such intellectual

property to us, we may be unsuccessful in executing such an agreement with each party who, in fact, conceives or develops intellectual property that we regard as our own. The assignment of intellectual property rights may not be self-executing, or the assignment agreements may be breached, and we may be forced to bring claims against third parties, or defend claims that they may bring against us, to determine the ownership of what we regard as our intellectual property. Any of the foregoing could harm our business, financial condition, results of operations and prospects.

We may not be able to protect and enforce our trademarks and trade names, or build name recognition in our markets of interest thereby harming our competitive position.

The registered or unregistered trademarks or trade names that we own may be challenged, infringed, circumvented, declared generic, lapsed or determined to be infringing on or dilutive of other marks. We may not be able to protect our rights in these trademarks and trade names, which we need in order to build name recognition. In addition, third parties may in the future file for registration of trademarks similar or identical to our trademarks, thereby impeding our ability to build brand identity and possibly leading to market confusion. If they succeed in registering or developing common law rights in such trademarks, and if we are not successful in challenging such rights, we may not be able to use these trademarks to develop brand recognition of our technologies or platform. In addition, there could be potential trade name or trademark infringement claims brought by owners of other registered trademarks or trademarks that incorporate variations of our registered or unregistered trademarks or trade names. Further, we have and may in the future enter into agreements with owners of such third party trade names or trademarks to avoid potential trademark litigation which may limit our ability to use our trade names or trademarks in certain fields of business.

Although we have registered Absci, SoluPure and SoluPro with the USPTO and certain other jurisdictions, we have not yet registered certain of our trademarks in all of our potential markets, and failure to secure those registrations could adversely affect our business. If we apply to register these trademarks in other countries, and/or other trademarks in the United States and other countries, our applications may not be allowed for registration in a timely fashion or at all; and further, our registered trademarks may not be maintained or enforced. In addition, opposition or cancellation proceedings may in the future be filed against our trademark applications and registrations, and our trademarks may not survive such proceedings. In addition, third parties may file first for our trademarks in certain countries. If they succeed in registering such trademarks, and if we are not successful in challenging such third party rights, we may not be able to use these trademarks to market our technologies in those countries. If we do not secure registrations for our trademarks, we may encounter more difficulty in enforcing them against third parties than we otherwise would. If we are unable to establish name recognition based on our trademarks and trade names, we may not be able to compete effectively, which could harm our business, financial condition, results of operations and prospects. And, over the long-term, if we are unable to establish name recognition based on our trademarks, then our business development abilities may be materially adversely impacted.

We may be subject to claims challenging the inventorship of our patents and other intellectual property.

We or any future licensors may be subject to claims that former employees, partners or other third parties have an interest in our owned or any future in-licensed patents, trade secrets or other intellectual property as an inventor or co-inventor. Litigation may be necessary to defend against these and other claims challenging inventorship of our or such licensors' ownership of our owned or any future in-licensed patents, trade secrets or other intellectual property. If we or our future licensors fail in defending any such claims, in addition to paying monetary damages, we may lose valuable intellectual property rights, such as exclusive ownership of, or right to use, intellectual property that is important to our systems. Even if we are successful in defending against such claims, litigation could result in substantial costs and be a distraction to management and other employees, and certain partners or partners may defer engaging with us until the particular dispute is resolved. Any of the foregoing could have a material adverse effect on our business, financial condition, results of operations and prospects.

If we become involved in patent litigation or other proceedings related to a determination of rights, we could incur substantial costs and expenses, substantial liability for damages or be required to stop our development and commercialization efforts of our technologies.

There is a substantial amount of litigation, both within and outside the United States, involving patent and other intellectual property rights in the life sciences, clinical diagnostics and drug discovery industries,

including patent infringement lawsuits, declaratory judgment litigation and adversarial proceedings before the USPTO, including interferences, derivation proceedings, ex parte reexaminations, post-grant review and inter partes review, as well as corresponding proceedings in foreign courts and foreign patent offices.

We may, in the future, become involved with litigation or actions at the USPTO or foreign patent offices with various third parties. We expect that the number of such claims may increase as our business, visibility and partnership base expand and the number of our technology development programs and resultant licensed technologies increases, and as the level of competition in our industry increases. Any infringement claim, regardless of its validity, could harm our business by, among other things, resulting in time-consuming and costly litigation, diverting management's time and attention from the development of our business, requiring the payment of monetary damages (including treble damages, attorneys' fees, costs and expenses) or royalty payments.

It may be necessary for us to pursue litigation or adversarial proceedings before the patent office in order to enforce our patent and proprietary rights or to determine the scope, coverage and validity of the proprietary rights of others. The outcome of any such litigation might not be favorable to us, and even if we were to prevail, such litigation could result in substantial costs and diversion of resources and could have a material adverse effect on our business, operating results or financial condition.

As we move into new markets and expand our technology offerings, incumbent participants in such markets may assert their patents and other proprietary rights against us as a means of slowing our entry into such markets or as a means to extract substantial license and royalty payments from us. In addition, future litigation may involve patent holding companies or other adverse patent owners who have no relevant product or service revenue and against whom our own patents may provide little or no deterrence or protection.

Third parties may assert that we are employing their proprietary technology without authorization. Given that biologic drug discovery and cell line development platform technology fields are highly competitive areas, there may be third-party intellectual property rights that others believe could relate to our technologies.

Because patent applications can take many years to issue, there may be currently pending patent applications which may later result in issued patents that our current or future products, technologies and services may infringe. We cannot be certain that we have identified or addressed all potentially significant third-party patents in advance of an infringement claim being made against us. In addition, similar to what other companies in our industry have experienced, we expect our competitors and others may have patents or may in the future obtain patents and claim that making, having made, using, selling, offering to sell or importing our technologies infringes these patents. Defense of infringement and other claims, regardless of their merit, would involve substantial litigation expense and would be a substantial diversion of management and employee resources from our business. Parties making claims against us may be able to sustain the costs of complex patent litigation more effectively than we can because they have substantially greater resources. Parties making claims against us may be able to obtain injunctive or other relief, which could block our ability to develop, commercialize and sell products or services and could result in the award of substantial damages against us, including treble damages, attorney's fees, costs and expenses if we are found to have willfully infringed. In the event of a successful claim of infringement against us, we may be required to pay damages and ongoing royalties and obtain one or more licenses from third parties, or be prohibited from selling certain products or services. We may not be able to obtain these licenses on acceptable or commercially reasonable terms, if at all, or these licenses may be non-exclusive, which could result in our competitors gaining access to the same intellectual property. In addition, we could encounter delays in product or service introductions while we attempt to develop alternative products or services to avoid infringing third-party patents or proprietary rights. Defense of any lawsuit or failure to obtain any of these licenses could prevent us from commercializing products or services, and the prohibition of sale of any of our technologies could materially affect our business and our ability to gain market acceptance for our technologies.

Furthermore, because of the substantial amount of discovery required in connection with intellectual property litigation, there is a risk that some of our confidential information could be compromised by disclosure during this type of litigation. In addition, during the course of this kind of litigation, there could be public announcements of the results of hearings, motions or other interim proceedings or developments. If securities analysts or investors perceive these results to be negative, it could have a substantial adverse effect on the price of our common stock.

In addition, our agreements with some of our partners, suppliers or other entities with whom we do business require us to defend or indemnify these parties to the extent they become involved in infringement claims, including the types of claims described above. We could also voluntarily agree to defend or indemnify third parties in instances where we are not obligated to do so if we determine it would be important to our business relationships. If we are required or agree to defend or indemnify third parties in connection with any infringement claims, we could incur significant costs and expenses that could adversely affect our business, operating results or financial condition.

Obtaining and maintaining our patent protection depends on compliance with various required procedures, document submissions, fee payments and other requirements imposed by governmental patent agencies, and our patent protection could be reduced or eliminated for non-compliance with these requirements.

Periodic maintenance fees, renewal fees, annuity fees and various other governmental fees on issued United States and most foreign patents and/or applications will be due to be paid to the USPTO and various governmental patent agencies outside of the United States at several stages over the lifetime of the patents and/or applications in order to maintain such patents and patent applications. We have systems in place to remind us to pay these fees, and we engage an outside service to pay such fees due to patent agencies. The USPTO and various non-U.S. governmental patent agencies require compliance with a number of procedural, documentary, fee payment and other similar provisions during the patent application process. We employ reputable law firms and other professionals to help us comply, and in many cases, an inadvertent lapse can be cured by payment of a late fee or by other means in accordance with the applicable rules. However, there are situations in which non-compliance can result in abandonment or lapse of the patent or patent application, resulting in partial or complete loss of patent rights in the relevant jurisdiction. Non-compliance events that could result in abandonment or lapse of a patent or patent application include failure to respond to official actions within prescribed time limits, non-payment of fees and failure to properly legalize and submit formal documents. In such an event, if we or any future licensors fail to maintain the patents and patent applications covering technologies our competitors may be able to enter the market with similar or identical products or technology without infringing our patents and this circumstance would have a material adverse effect on our business.

Patent terms may be inadequate to protect our competitive position on our technology for an adequate amount of time.

Patents have a limited lifespan. In the United States, if all maintenance fees are timely paid, the natural expiration of a patent is generally 20 years from its earliest U.S. non-provisional filing date. Various extensions may be available, but the life of a patent, and the protection it affords, is limited. Even if patents covering our platform or technologies are obtained, once the patent life has expired, we may be open to competition from others. If our platform or technologies require extended development and/or regulatory review, patents protecting our platform or technologies might expire before or shortly after we are able to successfully commercialize them. As a result, our owned and licensed patent portfolio may not provide us with sufficient rights to exclude others from commercializing processes or technologies similar or identical to ours.

Some of our jointly owned intellectual property has been discovered through government funded programs and thus may be subject to federal regulations such as "march-in" rights, certain reporting requirements and a preference for U.S.-based companies, and compliance with such regulations may limit our exclusive rights and our ability to contract with non-U.S. manufacturers.

The United States federal government retains certain rights in inventions produced with its financial assistance under the Bayh-Dole Act. The federal government retains a "nonexclusive, nontransferable, irrevocable, paid-up license" for its own benefit. The Bayh-Dole Act also provides federal agencies with "march-in rights". March-in rights allow the government, in specified circumstances, to require the contractor or successors in title to the patent to grant a "nonexclusive, partially exclusive, or exclusive license" to a "responsible applicant or applicants" if it determines that (1) adequate steps have not been taken to commercialize the invention and achieve practical application of the government-funded technology, (2) government action is necessary to meet public health or safety needs, (3) government action is necessary to meet requirements for public use under federal regulations or (4) we fail to meet requirements of federal regulations. If the patent owner refuses to do so, the government may grant the license itself. Some of our jointly owned or licensed patents are subject to the provisions of the Bayh-Dole Act. If our licensors fail to

comply with the regulations of the Bayh-Dole Act, they could lose title to any patents subject to such regulations, which could affect our license rights under the patents and our ability to stop others from using or commercializing similar or identical technology and products, or limit patent protection for our technology and products.

Risks Related to Our Common Stock

Our share price may be volatile, and you could lose all or part of your investment.

The market price of our common stock is volatile and subject to wide fluctuations in response to many risk factors listed in this section, and others beyond our control, including:

- actual or anticipated fluctuations in our financial condition and operating results, including fluctuations in our quarterly and annual results;
- the termination of partnership agreements by our partners or announcements that our partners will cease developing a product originating from our platform;
- the introduction of new technologies or enhancements to existing technology by us or others in our industry;
- our inability to establish additional partnerships or expand the scope of existing partnerships;
- departures of key personnel;
- announcements of significant acquisitions, strategic partnerships, joint ventures or capital commitments by us or our competitors;
- our failure to meet the estimates and projections of the investment community or that we may otherwise provide to the public;
- changes in the regulatory landscape that subject us to additional regulatory and legal requirements;
- publication of research reports about us, our industry or our competitors, or biologic drug discovery or cell line development in particular, or positive or negative recommendations or withdrawal of research coverage by securities analysts;
- release of unfavorable publicity about us, our partners, our competitors, or the biopharmaceutical industry, including through press coverage or social media;
- changes in the market valuations of similar companies;
- overall performance of the equity markets;
- sales of our common stock by us or our stockholders in the future;
- trading volume of our common stock;
- disputes or other developments relating to proprietary rights, including patents, litigation matters and our ability to obtain patent protection for our technologies;
- significant lawsuits, including patent or stockholder litigation;
- the impact of the ongoing COVID-19 pandemic, including the Omicron and Delta variants, on our business;
- general political and economic conditions; and
- other events or factors, many of which are beyond our control.

In addition, the stock market in general, and the Nasdaq Global Select Market and technology and life sciences companies in particular, have experienced extreme price and volume fluctuations that have often been unrelated or disproportionate to the operating performance of these companies. Broad market and industry factors may negatively affect the market price of our common stock, regardless of our actual operating performance. In the past, securities class action litigation has often been instituted against companies following periods of volatility in the market price of a company's securities. This type of litigation,

if instituted, could result in substantial costs and a diversion of management's attention and resources, which would harm our business, financial condition and results of operations.

We identified a material weakness in our internal control over our financial reporting process. If we are unable to remediate this material weakness, we may not be able to accurately or timely report our financial condition or results of operations.

Prior to our IPO, we were a private company with limited accounting personnel to adequately execute our accounting processes and other supervisory resources with which to address our internal control over financial reporting. While we and our independent registered public accounting firm did not and were not required to perform an audit of our internal control over financial reporting, in connection with the audits of our 2019 and 2020 consolidated financial statements, we and our independent registered public accounting firm identified control deficiencies in the design and operation of our internal control over financial reporting that constituted a material weakness. A material weakness is a deficiency, or a combination of deficiencies, in internal control over financial reporting, such that there is a reasonable possibility that a material misstatement of a company's annual or interim financial statements will not be prevented or detected on a timely basis. We identified a material weakness in our internal control over our financial statement close process specifically related to an insufficient complement of accounting and finance personnel with the necessary US GAAP technical expertise to timely identify and account for complex or non-routine transactions.

These control deficiencies could result in a misstatement of our accounts or disclosures that would result in a material misstatement of our financial results that would not be prevented or detected, and accordingly, we determined that these control deficiencies constitute a material weakness.

We are working to remediate the material weakness and are taking steps to strengthen our internal control over financial reporting through the hiring of additional finance and accounting personnel with the requisite technical knowledge and skills. With the additional personnel, we intend to take appropriate and reasonable steps to remediate this material weakness through the implementation of appropriate segregation of duties, formalization of accounting policies and controls and retention of appropriate expertise for complex accounting transactions. We will not be able to fully remediate these control deficiencies until these steps have been completed and have been operating effectively for a sufficient period of time. The hiring of additional finance and accounting personnel and the implementation of improvements to our accounting and proprietary systems and controls may be costly and time consuming.

We cannot assure you that the measures we have taken to date will be sufficient to remediate the material weakness we identified or avoid the identification of additional material weaknesses in the future. If the steps we take do not remediate the material weakness in a timely manner, there could continue to be a reasonable possibility that this material weakness or other control deficiencies could result in a material misstatement of our annual or interim financial statements that would not be prevented or detected on a timely basis. If we fail to remediate our material weakness, identify future material weaknesses in our internal control over financial reporting or fail to meet the demands that will be placed upon us as a public company, including the requirements of the Sarbanes-Oxley Act of 2002, as amended (Sarbanes-Oxley Act), we may be unable to accurately report our financial results or report them within the timeframes required by law or stock exchange regulations. Failure to comply with Section 404 of the Sarbanes-Oxley Act could also potentially subject us to sanctions or investigations by the SEC or other regulatory authorities. If additional material weaknesses exist or are discovered in the future, and we are unable to remediate any such material weakness, our reputation, results of operations and financial condition could suffer.

If we fail to establish and maintain proper and effective internal control over financial reporting, our operating results and our ability to operate our business could be harmed.

Ensuring that we have effective internal financial and accounting controls and procedures in place so that we can produce financial statements that are, in all material respects, in conformity with accounting principles generally accepted in the United States, on a timely basis is a costly and time-consuming effort that needs to be re-evaluated annually. Our internal control over financial reporting is a process designed to provide reasonable assurance regarding the reliability of financial reporting and the preparation of financial statements in accordance with generally accepted accounting principles. In connection with our IPO, we began the process of documenting, reviewing and improving our internal controls and procedures for compliance with Section 404 of the Sarbanes-Oxley Act, which require annual management assessment of the

effectiveness of our internal control over financial reporting. We continue to recruit additional finance and accounting personnel with certain skill sets that we need as a public company.

Implementing any appropriate changes to our internal controls may distract our officers and employees, entail substantial costs to modify our existing processes, and take significant time to complete. These changes may not, however, be effective in maintaining the adequacy of our internal controls, and any failure to maintain that adequacy, or consequent inability to produce accurate financial statements on a timely basis, could increase our operating costs and harm our business. In our efforts to maintain proper and effective internal control over financial reporting, we may discover new significant deficiencies or material weaknesses in our internal control over financial reporting, which we may not successfully remediate on a timely basis or at all. Any failure to remediate our existing any new significant deficiencies or material weaknesses identified by us or to implement required new or improved controls, or difficulties encountered in their implementation, could cause us to fail to meet our reporting obligations or result in material misstatements in our financial statements. If we identify one or more material weaknesses in the future, it could result in an adverse reaction in the financial markets due to a loss of confidence in the reliability of our financial statements, which may harm the market price of our common stock.

We continue to identify key business metrics to evaluate our business and technology, measure our performance, identify trends affecting our business, formulate financial projections and make strategic decisions, and any such metrics may not accurately reflect all aspects of our business needed to make such evaluations and decisions, in particular as our business continues to grow.

In addition to our financial results, we expect to review a number of operating and financial metrics, including number of programs under contract, the trend of potential downstream revenue terms (milestones and royalties) of the portfolio, the performance of the portfolio in probability of success in achieving clinical milestones as compared to historical averages and the performance of the portfolio in the time taken to achieve clinical milestones on a Net Present Value (NPV) basis, to evaluate our business, measure our performance, identify trends affecting our business, formulate financial projections and make strategic decisions. To date, we have only entered into a limited number of programs with respect to which we have or are positioned to negotiate royalty- and milestone-bearing licenses. Accordingly, we do not presently have sufficient information to make accurate predictions regarding our potential revenue and future financial performance.

Any metrics that we may identify may not accurately reflect all aspects of our business and we anticipate that these metrics may change or may be substituted for additional or different metrics as our business grows and as we introduce new solutions. If we fail to review other relevant information or change or substitute the key business metrics we review as our business grows, our ability to accurately formulate financial projections and make strategic decisions may be compromised and our business, financial results and future growth prospects may be adversely impacted.

Future sales and issuances of our common stock or rights to purchase common stock, including pursuant to our equity incentive plans, could result in additional dilution of the percentage ownership of our stockholders and could cause our share price to fall.

We expect that significant additional capital will be needed in the future to continue our planned operations, including expanded technology development activities, and costs associated with operating as a public company. To raise capital, we may sell common stock, convertible securities or other equity securities in one or more transactions at prices and in a manner we determine from time to time. If we sell common stock, convertible securities or other equity securities, investors may be materially diluted by subsequent sales. Such sales may also result in material dilution to our existing stockholders, and new investors could gain rights, preferences, and privileges senior to the holders of our common stock, including common stock sold in our IPO.

Pursuant to our 2021 Stock Option and Incentive Plan (2021 Plan) we are authorized to grant stock options, restricted stock units, stock appreciation rights and other stock-based awards to our employees, directors and consultants. Pursuant to our 2021 Employee Stock Purchase Plan (2021 ESPP), we may sell shares of our common stock to eligible employees at a discount to the market price of our common stock.

Initially, the aggregate number of shares of our common stock that may be issued pursuant to share awards under the 2021 Plan and 2021 ESPP is 9,037,500 shares. The number of shares of common stock reserved for issuance under the 2021 Plan and 2021 ESPP shall be increased on January 1, 2022 and each January 1

thereafter by 5% and 1%, respectively, of the total number of shares of common stock outstanding on December 31 of the preceding calendar year or a lesser number of shares determined by our board of directors. Unless our board of directors elects not to increase the number of shares available for future issuance each year, our stockholders will experience additional dilution, which could cause our share price to fall.

We do not intend to pay dividends on our common stock, so any returns will be limited to the value of our common stock.

We currently anticipate that we will retain future earnings for the development, operation, expansion and continued investment into our business and do not anticipate declaring or paying any cash dividends for the foreseeable future. In addition, we may enter into agreements that prohibit us from paying cash dividends without prior written consent from our contracting parties, or which other terms prohibiting or limiting the amount of dividends that may be declared or paid on our common stock. Any return to stockholders will therefore be limited to the appreciation of their common stock, which may never occur.

Our principal stockholders and management own a significant percentage of our shares and will be able to exert significant influence over matters subject to stockholder approval.

As of March 1, 2022, our executive officers, directors, and 5% stockholders beneficially owned approximately 60.73% of our common stock. Therefore, these stockholders have the ability to influence us through this ownership position. These stockholders may be able to determine all matters requiring stockholder approval. For example, these stockholders may be able to control elections of directors, amendments of our organizational documents or approval of any merger, sale of assets or other major corporate transaction. This may prevent or discourage unsolicited acquisition proposals or offers for our common stock that you may feel are in your best interest as one of our stockholders.

Future sales of our common stock in the public market could cause our share price to fall.

Sales of a substantial number of shares of our common stock in the public market, including any time following the expiration of legal restrictions on resale or the perception in the market that the holders of a large number of shares of our common stock intend to sell shares, could reduce the market price of our common stock and impair our ability to raise capital through the sale of additional equity securities. We have filed registration statements on Form S-8 to register our common stock that are issuable pursuant to our equity incentive plans. Shares registered under these registration statements on Form S-8 will be available for sale in the public market subject to vesting arrangements and exercise of options. Additionally, certain holders of our common stock are entitled to rights with respect to registration of such shares under the Securities Act pursuant to a registration rights agreement between such holders and us. If such holders, by exercising their registration rights, sell a large number of shares, they could adversely affect the market price for our common stock.

An active trading market for our common stock may not be maintained.

Our common stock only recently began trading on the Nasdaq Global Select Market, and we can provide no assurance that we will be able to maintain an active trading market on the Nasdaq Global Select Market or any other exchange in the future. If an active trading market for our common stock is not maintained, or if we fail to satisfy the continued listing standards of the Nasdaq Global Select Market for any reason and our common stock is delisted, it may be difficult for our stockholders to sell shares without depressing the market price for the shares or at all. An inactive market may also impair our ability to raise additional capital by selling shares and may impair our ability to acquire other companies or technologies by using our shares as consideration.

Provisions in our corporate charter documents and under Delaware law could make an acquisition of us more difficult and may prevent attempts by our stockholders to replace or remove our current management.

Provisions in our amended and restated certificate of incorporation and our amended and restated bylaws may discourage, delay or prevent a merger, acquisition or other change in control of us that stockholders may consider favorable, including transactions in which stockholders might otherwise receive a premium for their shares. These provisions could also limit the price that investors might be willing to pay in the future for shares of our common stock, thereby depressing the market price of our common stock. In addition, these provisions may frustrate or prevent any attempts by our stockholders to replace or remove our current

management by making it more difficult for stockholders to replace members of our board of directors. Because our board of directors is responsible for appointing the members of our management team, these provisions could in turn affect any attempt by our stockholders to replace current members of our management team. Among others, these provisions include that:

- our board of directors has the right to expand the size of our board of directors and to elect directors to fill a vacancy created by the expansion of the board of directors or the resignation, death or removal of a director, which prevents stockholders from being able to fill vacancies on our board of directors;
- our board of directors is divided into three classes, Class I, Class II and Class III, with each class serving staggered three-year terms, which may delay the ability of stockholders to change the membership of a majority of our board of directors;
- our stockholders may not act by written consent, which forces stockholder action to be taken at an annual or special meeting of our stockholders;
- a special meeting of stockholders may be called only by the chair of the board of directors, the chief executive officer, or a majority of the board of directors, which may delay the ability of our stockholders to force consideration of a proposal or to take action, including the removal of directors;
- our amended and restated certificate of incorporation prohibits cumulative voting in the election of directors, which limits the ability of minority stockholders to elect director candidates;
- our board of directors may alter our bylaws without obtaining stockholder approval;
- the required approval of the holders of at least 75% of the voting power of all of the then outstanding shares of voting stock to adopt, amend or repeal our bylaws or repeal the provisions of our amended and restated certificate of incorporation regarding the election and removal of directors;
- stockholders must provide advance notice and additional disclosures in order to nominate individuals for election to the board of directors or to propose matters that can be acted upon at a stockholders' meeting, which may discourage or deter a potential acquiror from conducting a solicitation of proxies to elect the acquiror's own slate of directors or otherwise attempting to obtain control of our company; and
- our board of directors is authorized to issue shares of preferred stock and to determine the terms of those shares, including preferences and voting rights, without stockholder approval, which could be used to significantly dilute the ownership of a hostile acquiror.

Moreover, because we are incorporated in Delaware, we are governed by the provisions of Section 203 of the Delaware General Corporation Law, which prohibits a person who owns in excess of 15% of our outstanding voting stock from merging or combining with us for a period of three years after the date of the transaction in which the person acquired in excess of 15% of our outstanding voting stock, unless the merger or combination is approved in a prescribed manner.

Our amended and restated certificate of incorporation provides that the Court of Chancery of the State of Delaware is the exclusive forum for certain disputes between us and our stockholders and that the federal district courts of the United States will be the exclusive forum for certain actions under federal securities laws, which could limit our stockholders' ability to obtain a favorable judicial forum for disputes with us or our directors, officers or employees.

Our amended and restated certificate of incorporation specifies that, unless we consent in writing to the selection of an alternative forum, the Court of Chancery of the State of Delaware will be the sole and exclusive forum for most legal actions involving actions brought against us by stockholders; provided that, if and only if the Court of Chancery of the State of Delaware dismisses any such action for lack of subject matter jurisdiction, such action may be brought in another state or federal court sitting in the State of Delaware. Our amended and restated bylaws also provide that the federal district courts of the United States of America are the exclusive forum for the resolution of any complaint asserting a cause of action against us or any of our directors, officers, employees or agents and arising under the Securities Act. The choice of forum provisions

do not apply to suits brought to enforce any liability or duty created by the Exchange Act or any other claim for which the federal courts have exclusive jurisdiction.

We believe these provisions may benefit us by providing increased consistency in the application of Delaware law and federal securities laws by chancellors and judges, as applicable, particularly experienced in resolving corporate disputes, efficient administration of cases on a more expedited schedule relative to other forums and protection against the burdens of multi-forum litigation. These choice of forum provisions may limit a stockholder's ability to bring a claim in a judicial forum that it finds favorable for disputes with us or any of our directors, officers, other employees or stockholders, which may discourage lawsuits with respect to such claims or make such lawsuits more costly for stockholders, although our stockholders will not be deemed to have waived our compliance with federal securities laws and the rules and regulations thereunder. There is uncertainty as to whether a court would enforce such provisions, and the enforceability of similar choice of forum provisions in other companies' charter documents has been challenged in legal proceedings. While the Delaware courts have determined that such choice of forum provisions are facially valid, a stockholder may nevertheless seek to bring a claim in a venue other than those designated in the exclusive forum provisions, and there can be no assurance that such provisions will be enforced by a court in those other jurisdictions. If a court were to find these types of provisions to be inapplicable or unenforceable, and if a court were to find the exclusive forum provision in our amended and restated certificate of incorporation to be inapplicable or unenforceable in an action, we may incur additional costs associated with resolving the dispute in other jurisdictions, which could materially adversely affect our business.

Our ability to use our net operating losses and certain other tax attributes may be limited.

Under Sections 382 and 383 of the Internal Revenue Code of 1986, as amended if a corporation undergoes an "ownership change," generally defined as a cumulative change of more than 50 percentage points (by value) in its equity ownership by certain stockholders over a rolling three-year period, the corporation's ability to use its pre-change net operating loss (NOL) carryforwards and other pre-change tax attributes (such as research tax credits) to offset its post-change taxable income or taxes may be limited. We have experienced at least one ownership change in the past, and we may experience ownership changes in the future as a result of shifts in our stock ownership (some of which shifts are outside our control). As a result, if we earn net taxable income, our ability to use our pre-change NOL carryforwards to offset such taxable income may be subject to limitations. Similar provisions of state tax law may also apply to limit our use of accumulated state tax attributes. As a result, even if we attain profitability, we may be unable to use a material portion of our NOL carryforwards and other tax attributes, which could adversely affect our future cash flows.

General Risk Factors

If securities or industry analysts do not publish research or publish inaccurate or unfavorable research about our business, our share price and trading volume could decline.

The trading market for our common stock will depend in part on the research and reports that securities or industry analysts publish about us or our business. If an insufficient number of securities or industry analysts commence and continue coverage of our company, the trading price for our common stock would likely be negatively impacted. After securities or industry analysts initiate coverage, if one or more of the analysts who cover us downgrades our common stock or publishes inaccurate or unfavorable research about our business, our share price may decline. If one or more of these analysts ceases coverage of our company or fails to publish reports on us regularly, demand for our stock could decrease, which might cause our share price and trading volume to decline.

Unfavorable U.S. or global economic conditions could adversely affect our business, financial condition or results of operations.

Our results of operations could be adversely affected by general conditions in the global economy and financial markets. The most recent global financial crisis caused extreme volatility and disruptions in the capital and credit markets. A severe or prolonged economic downturn could result in a variety of risks to our business, including weakened demand for our technologies and our ability to raise additional capital when needed on favorable terms, if at all. A weak or declining economy could strain our partners, possibly resulting in supply disruption, or cause delays in their payments to us. Any of the foregoing could harm our business and we cannot anticipate all of the ways in which the current economic climate and financial market conditions could adversely impact our business.

Raising additional capital may cause dilution to our existing stockholders, restrict our operations or require us to relinquish rights to our technologies.

We may seek additional capital through a combination of public and private equity offerings, debt financings, strategic partnerships and alliances and licensing arrangements. To the extent that we raise additional capital through the sale of equity or convertible debt securities, your ownership interest will be diluted, and the terms may include liquidation or other preferences that adversely affect your rights as a stockholder. Any incurrence of indebtedness would result in increased fixed payment obligations and could involve certain restrictive covenants, such as limitations on our ability to incur additional debt, limitations on our ability to acquire or license intellectual property rights and other operating restrictions that could adversely impact our ability to conduct our business. If we raise additional funds through strategic partnerships and alliances and licensing arrangements with third parties, we may have to relinquish valuable rights to our technologies or grant licenses on terms unfavorable to us.

Our employees, consultants and commercial partners may engage in misconduct or other improper activities, including non-compliance with regulatory standards and requirements, and insider trading.

We are exposed to the risk of fraud or other misconduct by our employees, consultants, advisors, and partners. Misconduct by these parties could include intentional failures to comply with the applicable laws and regulations in the United States and abroad, report financial information or data accurately or disclose unauthorized activities to us. These laws and regulations may restrict or prohibit a wide range of pricing, discounting and other business arrangements. Such misconduct could result in legal or regulatory sanctions and cause serious harm to our reputation. It is not always possible to identify and deter employee misconduct, and any other precautions we take to detect and prevent this activity may not be effective in controlling unknown or unmanaged risks or losses, or in protecting us from governmental investigations or other actions or lawsuits stemming from a failure to comply with these laws or regulations. If any such actions are instituted against us, and we are not successful in defending ourselves or asserting our rights, those actions could result in the imposition of significant civil, criminal and administrative penalties, which could have a significant impact on our business. Whether or not we are successful in defending against such actions or investigations, we could incur substantial costs, including legal fees and divert the attention of management in defending ourselves against any of these claims or investigations.

Our insurance policies are expensive and protect us only from some business risks, which leaves us exposed to significant uninsured liabilities.

We do not carry insurance for all categories of risk that our business may encounter and our policies have limits and significant deductibles. Some of the policies we currently maintain include general liability, property, umbrella and directors' and officers' insurance.

Any additional insurance coverage we acquire in the future, may not be sufficient to reimburse us for any expenses or losses we may suffer. Moreover, insurance coverage is becoming increasingly expensive and in the future we may not be able to maintain insurance coverage at a reasonable cost or in sufficient amounts to protect us against losses. A successful liability claim or series of claims in which judgments exceed our insurance coverage could adversely affect our business, financial condition, results of operations and prospects, including preventing or limiting the use of our platform to generate products.

Operating as a public company makes it more difficult and more expensive for us to maintain director and officer liability insurance, and we may be required to accept reduced policy limits and coverage or incur substantially higher costs to obtain the same or similar coverage. As a result, it may be more difficult for us to attract and retain qualified people to serve on our board of directors, our board committees or as executive officers. We do not know if we will be able to maintain existing insurance with adequate levels of coverage. Any significant uninsured liability may require us to pay substantial amounts, which would adversely affect our business, financial condition, results of operations and prospects.

Security breaches, loss of data and other disruptions could compromise sensitive information related to our business or prevent us from accessing critical information and expose us to liability, which could adversely affect our business and our reputation.

In the ordinary course of our business, we generate and store sensitive data, including research data, intellectual property and proprietary business information owned or controlled by ourselves or our

employees, partners and other parties. We manage and maintain our applications and data utilizing a combination of on-site systems and cloud-based data centers. We utilize external security and infrastructure vendors to manage parts of our data centers. These applications and data encompass a wide variety of business-critical information, including research and development information, commercial information and business and financial information. We face a number of risks relative to protecting this critical information, including loss of access risk, inappropriate use or disclosure, accidental exposure, unauthorized access, inappropriate modification and the risk of our being unable to adequately monitor and audit and modify our controls over our critical information. This risk extends to the third party vendors and subcontractors we use to manage this sensitive data or otherwise process it on our behalf. Further, to the extent our employees may work remotely, additional risks may arise as a result of depending on the networking and security put into place by the employees. The secure processing, storage, maintenance and transmission of this critical information are vital to our operations and business strategy, and we devote significant resources to protecting such information. Although we take reasonable measures to protect sensitive data from unauthorized access, use or disclosure, no security measures can be perfect and our information technology and infrastructure may be vulnerable to attacks by hackers or infections by viruses or other malware or breached due to employee erroneous actions or inactions by our employees or contractors, malfeasance or other malicious or inadvertent disruptions. Any such breach or interruption could compromise our networks and the information stored there could be accessed by unauthorized parties, publicly disclosed, lost or stolen. Any such access, breach, or other loss of information could result in legal claims or proceedings. Unauthorized access, loss or dissemination could also disrupt our operations and damage our reputation, any of which could adversely affect our business.

Additionally, although we maintain cybersecurity insurance coverage, we cannot be certain that such coverage will be adequate for data security liabilities actually incurred, will cover any indemnification claims against us relating to any incident, will continue to be available to us on economically reasonable terms, or at all, or that any insurer will not deny coverage as to any future claim. The successful assertion of one or more large claims against us that exceed available insurance coverage, or the occurrence of changes in our insurance policies, including premium increases or the imposition of large deductible or co-insurance requirements, could adversely affect our reputation, business, financial condition and results of operations.

We are an emerging growth company, and the reduced reporting requirements applicable to emerging growth companies could make our common stock less attractive to investors.

We are an emerging growth company, as defined in the JOBS Act. For as long as we continue to be an emerging growth company, we may take advantage of exemptions from various reporting requirements that are applicable to other public companies that are not emerging growth companies, including not being required to comply with the auditor attestation requirements of Section 404 of the Sarbanes-Oxley Act of 2002 reduced disclosure obligations regarding executive compensation in our periodic reports and proxy statements, exemptions from the requirements of holding nonbinding advisory votes on executive compensation and stockholder approval of any golden parachute payments not previously approved, and an exemption from compliance with the requirement of the PCAOB regarding the communication of critical audit matters in the auditor's report on the financial statements. We could be an emerging growth company for up to five years following the year in which we completed our IPO, although circumstances could cause us to lose that status earlier. We will remain an emerging growth company until the earlier of (1) the last day of the fiscal year (a) following the fifth anniversary of the date of the closing of our IPO, (b) in which we have total annual gross revenue of at least \$1.07 billion or (c) in which we are deemed to be a large accelerated filer, which requires the market value of our common stock that are held by non-affiliates to exceed \$700.0 million as of the prior June 30th, and (2) the date on which we have issued more than \$1.0 billion in non-convertible debt during the prior three-year period.

In addition, the JOBS Act provides that an emerging growth company can take advantage of an extended transition period for complying with new or revised accounting standards. This allows an emerging growth company to delay the adoption of certain accounting standards until those standards would otherwise apply to private companies. We have elected to use this extended transition period for complying with new or revised accounting standards that have different effective dates for public and private companies until the earlier of the date we (i) are no longer an emerging growth company or (ii) affirmatively and irrevocably opt out of the extended transition period provided in the JOBS Act. As a result, our financial statements may not be comparable to companies that comply with new or revised accounting pronouncements as of public company effective dates.

We cannot predict if investors will find our common stock less attractive because we may rely on the reporting exemptions and the extended transition period for complying with new or revised accounting standards. If some investors find our common stock less attractive as a result, there may be a less active trading market for our common stock and our share price may be more volatile.

We have incurred and will continue to incur significant increased costs as a result of operating as a public company, and our management will be required to devote substantial time to new compliance initiatives.

As a public company, we have incurred and will continue to incur significant legal, accounting, insurance and other expenses that we did not incur as a private company. We are subject to the reporting requirements of the Exchange Act, which require, among other things, that we file with the SEC annual, quarterly and current reports with respect to our business and financial condition. In addition, the Sarbanes-Oxley Act, as well as rules subsequently adopted by the SEC, and the Nasdaq Global Select Market to implement provisions of the Sarbanes-Oxley Act, impose significant requirements on public companies, including requiring establishment and maintenance of effective disclosure and financial controls and changes in corporate governance practices. Further, in July 2010, the Dodd-Frank Wall Street Reform and Consumer Protection Act (Dodd-Frank Act) was enacted. There are significant corporate governance and executive compensation related provisions in the Dodd-Frank Act that require the SEC to adopt additional rules and regulations in these areas, such as “say-on-pay” and proxy access. The JOBS Act permits emerging growth companies to implement many of these requirements over a longer period and up to five years from the pricing of our IPO. We intend to take advantage of the reduced reporting requirements available to emerging growth companies under the JOBS Act, but we cannot guarantee that we will not be required to implement the more stringent requirements sooner than budgeted or planned and thereby incur unexpected expenses. Stockholder activism, the current political environment and the current high level of government intervention and regulatory reform may lead to substantial new regulations and disclosure obligations, which may lead to additional compliance costs and impact the manner in which we operate our business in ways we cannot currently anticipate.

These rules and regulations applicable to public companies have increased and will continue to substantially increase our legal and financial compliance costs and to make some activities more time-consuming and costly. If these requirements divert the attention of our management and personnel from other business concerns, they could have a material adverse effect on our business, financial condition, and results of operations. The increased costs will decrease our net income or increase our net loss and may require us to reduce costs in other areas of our business, limit our investments in business expansion, or increase the technology development fees and other payment terms we negotiate with partners. For example, these rules and regulations have made it more difficult and more expensive for us to obtain director and officer liability insurance and we may be required to incur substantial costs to maintain the same or similar coverage. We cannot predict or estimate the amount or timing of additional costs we may incur to respond to these requirements. The impact of these requirements could also make it more difficult for us to attract and retain qualified persons to serve on our board of directors, our board committees, or as executive officers.

Pursuant to Section 404, in our second annual report due to be filed with the SEC after becoming a public company, we will be required to furnish a report by our management on our internal control over financial reporting. To achieve compliance with Section 404 within the prescribed period, we will be engaged in a process to document and evaluate our internal control over financial reporting, which is both costly and challenging. In this regard, we will need to continue to dedicate internal resources, potentially engage outside consultants, adopt a detailed work plan to assess and document the adequacy of internal control over financial reporting, continue steps to improve control processes as appropriate, validate through testing whether such controls are functioning as documented, and implement a continuous reporting and improvement process for internal control over financial reporting. Despite our efforts, there is a risk that we will not be able to conclude, within the prescribed timeframe or at all, that our internal control over financial reporting is effective as required by Section 404. In addition, investors' perceptions that our internal controls are inadequate or that we are unable to produce accurate financial statements on a timely basis may harm the market price of our stock.

We or our partners may be adversely affected by natural or man-made disasters or other business interruptions, such as cybersecurity attacks, and our business continuity and disaster recovery

plans, or those of our partners, may not adequately protect us from the effects of a serious disaster.

Natural and man-made disasters and other events beyond our control could severely disrupt our operations, or those of our partners, and have a material adverse impact on our business, results of operations, financial condition and prospects. If a natural disaster, power outage, cybersecurity attack or other event occurred that prevented us from using all or a significant portion of our headquarters, damaged critical infrastructure, such as our laboratory facilities or those of our partners, limited our or our partners' ability to access or use our respective digital information systems or that otherwise disrupted our respective operations, it may be difficult or, in certain cases, impossible for us or our partners to continue our respective businesses for a substantial period of time. The disaster recovery and business continuity plans we and our partners currently have in place are limited and are unlikely to prove adequate in the event of a serious disaster or similar event. Our cybersecurity liability insurance may not cover any or all damages, depending on the severity and extent, we or our partners could sustain based on any breach of our respective computer security protocols or other cybersecurity attack. We may incur substantial expenses as a result of the limited nature of our respective disaster recovery and business continuity plans, which could have a material adverse impact on our business.

Our results of operations and financial condition could be materially adversely affected by changes in accounting principles.

The accounting for our business is subject to change based on the evolution of our business model, interpretations of relevant accounting principles, enforcement of existing or new regulations and changes in policies, rules, regulations and interpretations, of accounting and financial reporting requirements of the SEC or other regulatory agencies. Adoption of a change in accounting principles or interpretations could have a significant effect on our reported results of operations and could affect the reporting of transactions completed before the adoption of such change. It is difficult to predict the impact of future changes to accounting principles and accounting policies over financial reporting, any of which could adversely affect our results of operations and financial condition and could require significant investment in systems and personnel.

If our estimates or judgments relating to our critical accounting policies prove to be incorrect or financial reporting standards or interpretations change, our results of operations could be adversely affected.

The preparation of financial statements in conformity with US GAAP requires management to make estimates and assumptions that affect the amounts reported in the consolidated financial statements and accompanying notes. We base our estimates on historical experience, known trends and events, and various other factors that we believe to be reasonable under the circumstances, as provided in "Management's Discussion and Analysis of Financial Condition and Results of Operations—Critical Accounting Estimates." The results of these estimates form the basis for making judgments about the carrying values of assets and liabilities that are not readily apparent from other sources. Significant assumptions and estimates used in preparing our consolidated financial statements include the estimated variable consideration included in the transaction price in our contracts with partners, stock-based compensation, purchase price allocations for recent acquisitions, and valuation of our common stock. Our results of operations may be adversely affected if our assumptions change or if actual circumstances differ from those in our assumptions, which could cause our results of operations to fall below the expectations of securities analysts and investors, resulting in a decline in the trading price of our common stock.

Additionally, we regularly monitor our compliance with applicable financial reporting standards and review new pronouncements and drafts thereof that are relevant to us. As a result of new standards, changes to existing standards and changes in their interpretation, we might be required to change our accounting policies, alter our operational policies, and implement new or enhance existing systems so that they reflect new or amended financial reporting standards, or we may be required to restate our published financial statements. Such changes to existing standards or changes in their interpretation may have an adverse effect on our reputation, business, financial position, and profit.

Our disclosure controls and procedures may not prevent or detect all errors or acts of fraud.

We are subject to certain reporting requirements of the Exchange Act. Our disclosure controls and procedures are designed to reasonably assure that information required to be disclosed by us in reports we file or submit under the Exchange Act is accumulated and communicated to management, recorded, processed,

summarized, and reported within the time periods specified in the rules and forms of the SEC. We believe that any disclosure controls and procedures or internal controls and procedures, no matter how well conceived and operated, can provide only reasonable, not absolute, assurance that the objectives of the control system are met. These inherent limitations include the realities that judgments in decision-making can be faulty, and that breakdowns can occur because of simple error or mistake. Additionally, controls can be circumvented by the individual acts of some persons, by collusion of two or more people or by an unauthorized override of the controls. Accordingly, because of the inherent limitations in our control system, misstatements or insufficient disclosures due to error or fraud may occur and not be detected.

Item 1B. Unresolved Staff Comments

Not applicable.

Item 2. Properties

Our corporate headquarters and research and development facilities are located in Vancouver, Washington. In December 2020, we entered into an operating lease, which was subsequently amended in March 2021, for a 77,974 square foot corporate headquarters facility that includes office and laboratory space. During the second quarter of 2021, we relocated our operations to the new facility and completed the majority of our construction activities throughout 2021. We believe our facilities are adequate and suitable for our current needs and that should it be needed, suitable additional or alternative space will be available to accommodate our operations.

Item 3. Legal Proceedings

We are not currently a party to any material litigation or other legal proceedings. From time to time, we may, however, in the ordinary course of business face various claims brought by third parties, and we may, from time to time, make claims or take legal actions to assert our rights. Any such claims and associated legal proceedings could, in the opinion of our management, have a material adverse effect on our business, financial condition, results of operations or prospects. Regardless of outcome, litigation can have an adverse impact on us because of defense and settlement costs, diversion of management resources and other factors.

Item 4. Mine Safety Disclosures

Not applicable.

Part II.

Item 5. Market for Registrant's Common Equity, Related Stockholder Matters and Issuer Purchases of Equity Securities

Market Information

Our common stock has been listed on the Nasdaq Global Select Market under the trading symbol "ABSI" since July 22, 2021. Prior to that date, there was no public trading market for our common stock.

Holder of Common Stock

As of March 1, 2022, there were 6,989 holders of record of our common stock. The actual number of stockholders is greater than this number of record holders and includes stockholders who are beneficial owners but whose shares are held in street name by brokers and other nominees.

Dividend Policy

We have not declared or paid any cash dividends on our capital stock since our inception. We intend to retain future earnings for the development, operation, expansion and continued investment into our business and do not anticipate declaring or paying any cash dividends for the foreseeable future. Payment of future cash dividends, if any, will be at the discretion of our board of directors after taking into account various factors, including our financial condition, operating results, current and anticipated cash needs, the requirements and contractual restrictions of then-existing debt instruments and other factors that our board of directors deems relevant.

Equity Compensation Plans

Information regarding securities authorized for issuance under equity compensation plans is included in Part III, Item 12 of this report.

Unregistered Sales of Equity Securities

There were no unregistered sales of equity securities during the quarter ended December 31, 2021. Except as otherwise disclosed in our registration statement on Form S-1, as amended (File No. 333-257553) or our quarterly reports on Form 10-Q, there were no unregistered sales of equity securities during the year ended December 31, 2021.

Use of Proceeds

We completed our IPO pursuant to the registration statement on Form S-1, as amended (File No. 333-257553) that was declared effective on July 21, 2021. On July 26, 2021, we sold 14,375,000 shares of our common stock, including the full exercise of the underwriters' 30-day option to purchase additional shares, at a public offering price of \$16.00 per share for aggregate gross proceeds of \$230.0 million. J.P. Morgan Securities LLC, Credit Suisse Securities (USA) LLC, BofA Securities, Inc., Cowen and Company, LLC, and Stifel, Nicolaus & Company, Incorporated acted as joint book-running managers for the offering.

The net proceeds of our IPO were \$210.1 million, after deducting underwriting discounts and commissions of \$16.1 million and offering related expenses of \$3.8 million. No offering expenses were paid directly or indirectly to any of our directors or officers (or their associates) or persons owning ten percent or more of any class of our equity securities or to any other affiliates.

As of December 31, 2021, we have used \$55.3 million of the net proceeds from the IPO. Cash used since the IPO is described elsewhere in the "Management's Discussion and Analysis of Financial Condition and Results of Operations" section of our periodic reports filed with the SEC. There has been no material change in our planned use of the net proceeds from the IPO as described in the final prospectus for our IPO.

Issuer Purchases of Equity Securities

None.

Item 6. [Reserved]

Item 7. Management's Discussion and Analysis of Financial Condition and Results of Operations

Overview

We are a drug and target discovery company harnessing deep learning and synthetic biology to expand the therapeutic potential of proteins. We built our Integrated Drug Creation Platform to identify novel drug targets, discover optimal biotherapeutic candidates, and generate the cell lines to manufacture them in a single efficient process. We believe our approach delivers disruptive efficiency, but more importantly enables our partners to create novel and human/AI-designed new-to-nature biologics (next-generation biologics).

While next-generation biologics have exciting medical potential and are a rapidly growing field of drug development, because their protein architectures (scaffolds or modalities) are biologically foreign, they present challenges for conventional biologic discovery and cell line development methods. These methods typically involve a linear series of steps to screen and select desired molecular parts and reformat them into their final protein scaffold, and subsequent laborious and often unsuccessful generation of a suitable manufacturing cell line. We are transforming the biologic discovery and cell line development process by rapidly screening up to billions of drug candidates in the desired final protein scaffold that goes into patients and in the scalable manufacturing cell line that scales up for clinical and commercial manufacturing.

We couple our powerful deep learning AI models, built to understand and predict determinants of protein function, with our proprietary synthetic biology capabilities, which include high-throughput single cell assays that can evaluate billions of drug sequence variants, each within its production cell line, for target binding affinity, protein quality, and production level (titer). This combination of in silico modeling with wet lab testing allow us to generate immense real-world datasets that we harness to train and refine our deep learning models. These models guide our protein and cell line designs and enable in silico optimization of multiple attributes. In addition, with our "Totient Target" technology, we use machine learning computational methods to evaluate patient tissue samples and, without biological bias, identify disease-relevant fully human antibodies and their disease- and tissue-specific molecular targets. In addition to the direct utility of these antibodies and targets as drug discovery assets, these data comprising antibody-epitope recognition elements expand our AI models' training sets and may improve predictive capabilities for future discovery campaigns.

Our goal is to become the partner of choice for biologic drug discovery and cell line development. As a technology development company, we generate biologic drug candidates and production cell lines for our partners to develop. Our business model is to establish partnerships with biopharmaceutical companies and use our platform for rapid creation of next-generation biologic drug candidates and production cell lines. We classify our applications into two key categories: Discovery and CLD. We define "Discovery" as any projects for which we are evaluating variants of the protein-of-interest, which includes generation of the production cell line, and we define CLD as a program for which the production cell line alone is the goal of the partnership. Our partners are responsible for preclinical and clinical testing of biologics generated using our platform. We expect our partnerships to provide us with the opportunity to participate in the future success of the biologics generated utilizing our platform, through milestone payments as well as royalties on sales by our partners of any approved products. We aim to assemble economic interests in a diversified portfolio of partners' next-generation biologic drug candidates across multiple indications.

As of December 31, 2021 we had drug candidates in twelve Active Programs (across eight current partners' preclinical or clinical pipelines) for which we have negotiated, or expect to negotiate upon completion of certain technology development activities, license agreements with potential downstream milestone payments and royalties. Eight of these Active Programs are focused on developing production cell lines for drug candidates that our partners (Merck & Co., Inc., Xyphos Biotechnology, an Astellas Company (Astellas), Alpha Cancer Technologies, Inc., PhaseBio Pharmaceuticals, Inc., and other undisclosed biotechnology companies) are developing (five preclinical, one Phase 1, one Phase 3, and one animal health). The remaining four Active Programs comprise Discovery applications, including three Discovery programs through our agreement with EQRx and one lead optimization program with Astellas. We define "Active Programs" as programs that are subject to ongoing technology development activities intended to determine if the program can be pursued by our partner for future clinical development, as well as any program for which our

partner obtains and maintains a license to our technology to advance the program after completion of the technology development phase. There is no assurance, however, that our partners will advance any drug candidates that are currently the subject of Active Programs into further preclinical or clinical development or that our partners will elect to license our technologies upon completion of the technology development phase in a timely manner, or at all.

Total revenue was \$4.8 million for the year ended December 31, 2021 was consistent as compared to the year ended December 31, 2020, due to timing of additional project-based milestones achieved and the mix of ongoing programs utilizing our Integrated Drug Creation Platform. Throughout 2020 and 2021, we continued making investments in our operating capacity which enabled us to achieve additional project-based milestones in our technology development agreements. Since our inception in 2011, we have devoted substantially all of our resources to research and development activities, including with respect to our Integrated Drug Creation Platform, establishing and maintaining our intellectual property portfolio, hiring personnel, raising capital and providing general and administrative support for these activities. As a result, we have incurred net losses in each year. For the years ended December 31, 2021 and 2020, we incurred net losses of \$101.0 million and \$14.4 million, respectively. Research and development expenses increased by \$33.1 million, or 289%, for the year ended December 31, 2021 compared to the year ended December 31, 2020. For the year ended December 31, 2021, we adjusted the fair value of the warrant liability and the convertible notes through the initial public offering (IPO) and recorded expense of \$4.1 million and \$30.7 million. As of December 31, 2021, we had an accumulated deficit of \$191.0 million and cash and cash equivalents totaling \$252.6 million.

Prior to our IPO, we financed our operations primarily through private placements of redeemable convertible preferred stock and convertible notes. From the date of our company formation up to the IPO, we have raised aggregate gross proceeds of \$230.0 million. In July 2021, we consummated our IPO and issued 14,375,000 shares of common stock, including a full exercise of the overallotment option, for net proceeds of \$210.1 million, after deducting underwriting discounts and offering related expenses.

We expect to continue to incur significant expenses, and we expect such expenses to increase substantially in connection with our ongoing activities, including as we:

- implement an effective business development strategy to drive adoption of our Integrated Drug Creation Platform by new and existing partners;
- continue to engage in research and development efforts and scale our technology development activities to meet potential demand at a reasonable cost;
- develop, acquire, in-license or otherwise obtain technologies that enable us to expand our platform capabilities;
- attract, retain and motivate highly qualified personnel;
- implement operational, financial and management information systems; and
- operate as a public company.

Our corporate headquarters and research and development facilities are located in Vancouver, Washington. In December 2020, we entered into an operating lease, which was subsequently amended in March 2021, for a 77,974 square foot corporate headquarters facility that includes office and laboratory space. During the second quarter of 2021, we relocated our operations to the new facility and completed the majority of our construction activities throughout 2021. We believe our facilities are adequate and suitable for our current needs and that should it be needed, suitable additional or alternative space will be available to accommodate our operations.

Recent Developments

In January 2021, we completed our acquisition of Denovium as part of our strategy to utilize AI technology that includes deep learning computational models of protein function.

In February 2021, Merck Global Health Innovation Fund purchased 254,886 shares of our Series E Preferred Stock for an aggregate price of \$5.0 million.

In March 2021, we issued \$125.0 million aggregate principal amount of convertible notes (the Convertible Notes) to certain existing and new investors. The Convertible Notes were convertible upon a qualifying financing into shares of our common stock under certain circumstances. In July 2021, the Convertible Notes converted into an aggregate of 9,732,593 shares upon the closing of our IPO, based on 82% of the IPO price of \$16.00 per share.

In June 2021, we completed our acquisition of Totient, Inc. (Totient), a discovery company harnessing human immune responses to identify novel antibodies and their therapeutic targets, in exchange for a combination of cash and equity consideration. We paid the former stockholders and noteholders of Totient upfront cash consideration of \$40.0 million, subject to customary purchase price adjustments, including consideration in exchange for the cancellation of (i) unexercised outstanding options to purchase shares of Totient common stock, whether vested or unvested, and (ii) outstanding stock appreciation rights previously granted by Totient. Holders of Totient's Class A common stock also received an aggregate of 2,212,208 shares of our common stock, subject to certain vesting conditions. In addition, Totient's Class A common stockholders and noteholders are eligible to receive up to an additional \$15.0 million in cash upon the achievement of certain milestones. We are currently integrating the acquired technology and team into our business model and partnership strategy.

In July 2021, we completed our IPO under a registration statement in which we issued and sold 14,375,000 shares of our common stock, including the full exercise of the underwriters' over-allotment option, at a purchase price of \$16.00 per share. We received net proceeds of \$210.1 million from the IPO after deducting underwriting discounts and offering expenses. All outstanding preferred stock converted into an aggregate of 46,266,256 shares of common stock and the Convertible Notes converted into an aggregate of 9,732,593 shares of common stock upon completion of the IPO.

In October 2021, we announced a drug discovery collaboration with EQRx, Inc. We will collaborate to jointly engineer and develop several clinical candidates across multiple therapeutic areas, including oncology and immunology. At our option, we may make additional investments at progressive stages of development in exchange for an increased share of product sales.

In January 2022, we announced a research collaboration with Merck Sharp & Dohme Corp. (Merck). Under the collaboration, Absci will deploy its Bionic Protein non-standard amino acid technology to produce enzymes tailored to Merck's biomanufacturing applications. Additionally, Merck has the option to nominate up to three drug discovery targets and enter into a drug discovery collaboration agreement.

COVID-19 Pandemic

As a result of the ongoing COVID-19 pandemic, we have experienced and may continue to experience severe delays and disruptions, including, for example:

- interruption of or delays in receiving products and supplies from third parties;
- limitations on our business operations by local, state and/or federal governments that could impact our ability to conduct our technology development and other activities;
- delays in negotiations with partners and potential partners;
- increases in facilities costs to comply with physical distancing guidance;
- business disruptions caused by workplace, laboratory and office closures and an increased reliance on employees working from home, travel limitations, cyber security and data accessibility, or communication or mass transit disruptions; and
- limitations on employee resources that would otherwise be focused on the conduct of our activities, including because of sickness of employees or their families or the desire of employees to avoid contact with large groups of people.

While these delays continue to cause short-term disruptions, the overall impact to our financial statements is expected to continue to be immaterial.

Furthermore, COVID-19 has adversely affected the broader economy and financial markets, resulting in an economic downturn that could curtail the research and development budgets of our partners, our ability to hire additional personnel and our financing prospects. In addition, the spread of more contagious strains,

such as the Omicron and Delta variants, could cause the COVID-19 pandemic to last longer than expected and could result in the reinstatement of restrictive orders that could disrupt our business, including vaccine mandates. Any of the foregoing could harm our operations and we cannot anticipate all the ways in which our business could be adversely impacted by health epidemics such as COVID-19.

For additional details, see the section titled "Risk Factors."

LLC Conversion

We were originally formed in August 2011 as an Oregon limited liability company and later converted into a Delaware limited liability company in April 2016 under the name AbSci LLC. In October 2020, we completed a reorganization whereby we were converted from a Delaware limited liability company named AbSci LLC to a Delaware corporation under the name Absci Corporation (the LLC Conversion) and all outstanding membership interests in AbSci LLC were exchanged for equity interests in Absci Corporation. All of the share information referenced throughout this Annual Report has been retroactively adjusted to reflect the change in capital structure.

Key Factors Affecting Our Results of Operations and Future Performance

We believe that our future financial performance will be primarily driven by multiple factors as described below, each of which presents growth opportunities for our business. These factors also pose important challenges that we must successfully address in order to sustain our growth and improve our results of operations. Our ability to successfully address these challenges is subject to various risks and uncertainties, including those described in the section of this Annual Report titled "Risk Factors."

- **Establish new partnerships:** Our potential to grow revenue and long-term earnings will require us to successfully identify and establish technology development arrangements with new partners. We have been expanding and expect to continue to expand our business development team and our capabilities to find new partners.
- **Increase the number of molecules and programs under existing partnerships:** The execution of our long term strategy relies substantially on the value our partners believe can be recognized from the product candidates and/or production cell lines that we provide to them. Our continued growth depends on our ability to expand the scope of our existing partnerships and add new molecules for CLD or Discovery partnerships with current partners.
- **Successfully complete our technology development activities and enter licensing arrangements with our partners:** Our business model depends upon partners licensing the technologies we develop and advancing the drug candidates we generate through clinical development to commercialization. Both our ability to successfully complete technology development activities to meet the needs of our partner, and the partner's prioritization of the subject program, impact the likelihood and timing of any election by a partner to license the technologies we develop. There is no assurance that a partner will elect to license the technologies we develop.
- **Our partners successfully developing and commercializing the drug candidates generated with our technology:** Our business model is dependent on the eventual progression of biologic drug candidates discovered or initially developed utilizing our Integrated Drug Creation Platform into clinical trials and commercialization. Given the nature of our relationships with our partners, we do not control the progression, clinical development, regulatory strategy or eventual commercialization, if approved, of these product candidates. As a result, our future success and our potential eligibility to receive milestone payments and royalties are entirely dependent on our partners' efforts over which we have no control. The timing and scope of any approval that may be required by the FDA, or any other regulatory body, for drugs that are developed based on molecules discovered and/or manufactured using our Integrated Drug Creation Platform technologies can significantly impact our results of operations and future performance.
- **Continued significant investments in our research and development of new technologies and platform expansion:** We are seeking to further refine and expand our platform and the scope of our capabilities, which may or may not be successful. This includes, but is not limited to, novel target identification, de novo discovery, incorporation of non-standard amino acids (Bionic Protein creation), and application of artificial intelligence across our Integrated Drug Creation Platform. We may in the future also invest significantly in developing our own proprietary lead drug candidates

and advancing them through preclinical validation. We expect to incur significant expenses to advance these research and development efforts or to invest in or acquire complementary technologies, but these efforts may not be successful.

- **Drive commercial adoption of our Integrated Drug Creation Platform capabilities:** Driving the adoption of our Integrated Drug Creation Platform across existing and new markets will require significant investment. We plan to further invest in research and development to support the expansion of our platform capabilities including new molecules to existing partners or help deliver our platform to new markets.

Key Business Metrics

We are in the process of identifying key business metrics to evaluate our business, measure our performance, identify trends affecting our business, formulate financial projections and make strategic decisions. Currently, given our stage of development, we believe that the following metrics are the most important for understanding our current business trajectory. These metrics may change or may be substituted for additional or different metrics as our business develops. For example, as our business matures and to the extent drug candidates generated with our technologies enter clinical development, or as we may enter partnerships addressing programs over multiple years, or as certain programs may be discontinued by partners, we anticipate updating these metrics to reflect such changes.

	December 31, 2021	December 31, 2020
Partners, Cumulative	18	16
Programs, Cumulative	34	29
Active Programs	12	8

Partners represents the unique number of partners with whom we have executed technology development agreements. We view this metric as an indication of our ability to execute our business development activities and level of our market penetration.

Programs represents the number of molecules we have addressed or are addressing with our platform. We view this metric as an indication of the robustness of our technology and the commercial success of our platform.

Active Programs represents the number of programs that are subject to ongoing technology development activities intended to determine if the program can be pursued by our partner for future clinical development, as well as any program for which our partner obtains and maintains a license to our technology to advance the program after completion of the technology development phase. There is no assurance, however, that our partners will advance any drug candidates that are currently the subject of Active Programs into further preclinical or clinical development or that our partners will elect to license our technologies upon completion of the technology development phase in a timely manner, or at all. In light of the inherent risks and uncertainties associated with drug development, we anticipate that our partners may from time to time abandon or terminate the development of one or more drug candidates generated from our platform. As we are notified of such terminations, we will remove the subject programs from our Active Programs count.

We have not negotiated terms for a sufficient number of royalty- and milestone-bearing licenses to enable us to make accurate predictions regarding our potential revenue and financial performance.

Components of Results of Operations

Revenue

Our revenue currently consists primarily of fees earned from our partners in conjunction with technology development agreements (TDAs), which are delineated as technology development revenue in our results of operations. These fees are earned and paid at various points throughout the terms of these agreements including upfront and upon the achievement of specified project-based milestones. In addition, in certain TDAs, we earn success-based fees upon achievement of specified technology goals.

We expect revenue to increase over time as we enter into additional partnership agreements and grant licenses to our partners for the clinical and commercial use of intellectual property rights to the biological assets we create, and as the partners advance product candidates into and through clinical development and commercialization. We expect that our revenue will fluctuate from period to period due to the timing of executing additional partnerships, the uncertainty of the timing of milestone achievements and our dependence on the program decisions of our partners.

KBI BioPharma, Inc. Collaboration Agreement

In December 2019, we executed a four-year Joint Marketing Agreement (JMA) with KBI BioPharma, Inc. (KBI) to co-promote technologies through joint marketing efforts. The JMA provides for a non-refundable upfront payment of \$0.8 million and milestone payments of \$2.8 million in the aggregate, of which \$2.3 million had been received as of December 31, 2021, upon the achievement of specific milestones. Upfront payments that relate to ongoing collaboration efforts required throughout the contract term such as joint marketing are recognized ratably throughout the contract term. We fully constrain revenue associated with the milestone payments until the specified milestones are probable of achievement. Additionally, KBI is obligated to make royalty payments to us during the fourth year of the JMA representing a percentage of its sales generated through the arrangement. Any costs incurred to KBI through the duration of the JMA are recognized as a reduction to collaboration revenue in the period in which they are incurred.

In September 2021, the JMA was amended to shorten the term to approximately three years, while all remaining payments, including potential royalty payments, were replaced with a one-time fee due from KBI in the amount of \$0.3 million. The Company determined the remaining services were distinct from those provided prior to the modification and therefore recognizes the total remaining transaction price prospectively over the remaining contractual term.

Operating Expenses

Research and Development

Research and development expenses include the cost of materials, personnel-related costs (comprised of salaries, benefits and share-based compensation), consulting fees, equipment and allocated facility costs (including occupancy and information technology). These expenses are exclusive of depreciation and amortization. Research and development activities consist of target discovery and technology development for partners, as well as continued development of our Integrated Drug Creation Platform. We derive improvements to our platform from both types of activities. As our research and development efforts apply to our platform broadly and across programs, we have not historically tracked our research and development expenses on a partner-by-partner basis or on a program-by-program basis.

We expect research and development to continue to increase in absolute dollars as we enter into additional partnerships and continue to invest in platform enhancements.

Selling, General, and Administrative

Selling, general, and administrative expenses include personnel-related costs (comprised of salaries, benefits and share-based compensation) for executive, business development, alliance management, legal, finance and other administrative functions. Marketing expenses include costs associated with attending conferences and other promotion efforts of our Integrated Drug Creation Platform. Additionally, these expenses include external legal expenses, accounting and tax service expenses, consulting fees, and allocated facilities costs (including occupancy and information technology). These expenses are exclusive of depreciation and amortization.

We expect our selling costs to increase in absolute dollars as we continue to grow our business development efforts, and increase marketing activities to drive awareness and adoption of our platform. We expect selling costs to fluctuate as a percentage of total revenue due to the timing and magnitude of these expenses, and to decrease as a percentage of total revenue in the long term.

We expect general and administrative expenses to continue to increase in absolute dollars as we increase total headcount and incur costs associated with operating as a public company, including expenses related to legal, accounting, regulatory, maintaining compliance with exchange listing and requirements of the U.S. Securities and Exchange Commission (SEC), director and officer insurance premiums and investor relations.

We expect these expenses to increase in absolute dollars and vary from period to period as a percentage of revenue in the near term, and to decrease as a percentage of revenue in the long term.

We have a comprehensive IP portfolio covering the many aspects of our Integrated Drug Creation platform, including those related to our proprietary cell lines and protein expression technologies, non-standard amino acid technology, proprietary screening assays, antibody discovery methods, and deep learning AI models. We regularly file patent applications to protect innovations arising from our research and development. We also hold trademarks and trademark applications in the United States and foreign jurisdictions. Costs to secure and defend our IP are expensed as incurred and are classified as selling, general and administrative expenses.

Depreciation and amortization

Depreciation and amortization expense consists of the depreciation expense of our property and equipment and amortization of our intangibles. Our equipment is used most actively as part of our lab operations.

We expect depreciation expense to continue to increase in absolute dollars as we continue to purchase additional lab equipment within our new operating facility.

Other Expenses

Interest Expense

Interest expense, net, consists primarily of interest related to convertible notes, borrowings under our term debt and laboratory equipment leases.

Other Expense, net

Other expenses to date consist primarily of adjustments of our convertible notes and preferred stock warrant liability to fair value and a gain on extinguishment for the forgiveness of our Payroll Protection Plan (PPP) loan.

Results of Operations

The results of operations presented below should be reviewed in conjunction with consolidated financial statements and notes included elsewhere in this Annual Report. The following tables set forth our results of operations for the periods presented (In thousands):

	For the Years Ended December 31,	
	2021	2020
Revenues		
Technology development revenue	\$ 4,009	\$ 4,117
Collaboration revenue	773	663
Total revenues	4,782	4,780
Operating expenses		
Research and development	44,586	11,448
Selling, general and administrative	28,780	5,502
Depreciation and amortization	6,654	1,131
Total operating expenses	80,020	18,081
Operating loss	(75,238)	(13,301)
Other expense		
Interest expense	(3,432)	(634)
Other expense, net	(31,189)	(418)
Total other expense, net	(34,621)	(1,052)
Loss before income taxes	(109,859)	(14,353)
Income tax benefit	8,899	—
Net loss	\$ (100,960)	\$ (14,353)

Comparison of the Years Ended December 31, 2021 and 2020

The following table summarizes our results of operations for the years ended December 31, 2021 and 2020 (In thousands, except for percentages):

Revenue

	For the Years Ended December 31,		\$ Change	% Change
	2021	2020		
Revenues				
Technology development revenue	\$ 4,009	\$ 4,117	\$ (108)	(3)%
Collaboration revenue	773	663	110	17 %
Total revenues	\$ 4,782	\$ 4,780	\$ 2	— %

Total revenue for the year ended December 31, 2021 was consistent as compared to the year ended December 31, 2020 at \$4.8 million.

Technology development revenue decreased by \$0.1 million, or 3%, for the year ended December 31, 2021 compared to the year ended December 31, 2020, driven by a combination of overall program progress, the timing of additional project-based milestones achieved, and the mix of ongoing programs.

Collaboration revenue increased by \$0.1 million, or 17%, for the year ended December 31, 2021 compared to the year ended December 31, 2020, as a result of the September 2021 contract modification which resulted in a shortened term and modified consideration.

Operating Expenses

	For the Years Ended December 31,		\$ Change	% Change
	2021	2020		
Operating expenses				
Research and development	\$ 44,586	\$ 11,448	\$ 33,138	289 %
Selling, general and administrative	28,780	5,502	23,278	423 %
Depreciation and amortization	6,654	1,131	5,523	488 %
Total operating expenses	\$ 80,020	\$ 18,081	\$ 61,939	343 %

Research and development

Research and development expenses increased by \$33.1 million, or 289%, for the year ended December 31, 2021 compared to the year ended December 31, 2020. The increase was generally driven by increased costs associated with increased technology development activity with our partners and increased costs associated with continued platform development. These increased costs were primarily attributable to increased headcount and related personnel costs in the amount of \$17.7 million, increased stock-based compensation from the phantom unit exchange and equity grants in the ordinary course in the amount of \$4.4 million, increased purchases of supplies and services related to lab operations in the amount of \$8.2 million specifically for our technology development agreements and internal research and platform development activities and increased rent, and increases in facility overhead and research and development related administrative expenses of \$2.8 million. Increased administrative costs includes asset impairment of \$0.8 million, and increased software and professional services costs.

Selling, General and Administrative Expenses

Selling, general, and administrative expenses increased by \$23.3 million, or 423%, for the year ended December 31, 2021 compared to the year ended December 31, 2020. The increase was primarily driven by increased headcount and related personnel and recruitment costs in the amount of \$8.0 million, increased stock-based compensation from the phantom unit exchange and equity grants in the ordinary course in the amount of \$5.7 million, increased professional service fees in the amount of \$4.2 million, of which, \$0.9 million represented transaction costs associated with the Totient acquisition, and increased administrative

costs of \$3.0 million. The increases in the administrative and professional service fees are the result of our operating as a public company.

Depreciation and amortization

Depreciation and amortization expense increased by \$5.5 million, or 488%, for the year ended December 31, 2021 compared to the year ended December 31, 2020. The increase was primarily due to the increased purchases of lab equipment necessary to complete our increased level of technology development agreements and research and development, purchases of property, equipment, and leasehold improvements related to our new corporate headquarters, and the amortization of intangible assets acquired in 2021.

Other Expenses

	For the Years Ended December 31,		\$ Change	% Change
	2021	2020		
Other expense				
Interest expense	\$ (3,432)	\$ (634)	\$ (2,798)	441 %
Other expense, net	(31,189)	(418)	(30,771)	7361 %
Total other expense, net	\$ (34,621)	\$ (1,052)	\$ (33,569)	3191 %

Interest Expense

Interest expense was \$3.4 million for the year ended December 31, 2021 compared to \$0.6 million for the year ended December 31, 2020, representing an increase of \$2.8 million, or 441%. We increased borrowings on our term debt in May 2020, which led to an increase in interest expense. In addition, we incurred additional interest expense in connection with finance leases of additional laboratory equipment as we expanded our laboratory capacity from 2020 through 2021. We also recognized increased interest expense related to the convertible promissory notes issued in March 2021 until they were converted into common stock in connection with the IPO.

Other Expense, net

Other expense, net, increased by \$30.8 million, or 7361%, for the year ended December 31, 2021 compared to the year ended December 31, 2020. The increase was primarily driven by fair value adjustments of our convertible notes for \$28.0 million, and the change in the preferred stock warrant liability's fair value in the amount of \$4.1 million, offset by recognition of a gain on extinguishment for the forgiveness of our PPP loan in the amount of \$0.6 million.

Liquidity and Capital Resources

Overview

As of December 31, 2021, we had \$252.6 million of cash and cash equivalents. As of December 31, 2020, we had \$69.9 million of cash and cash equivalents.

We have incurred net operating losses since inception. As of December 31, 2021, our accumulated deficit was \$191.0 million. As of December 31, 2020, our accumulated deficit was \$90.1 million. To date, we have funded operations through issuances and sales of equity securities and debt, in addition to revenue generated from our technology development agreements. We believe that our cash and cash equivalents will be sufficient to meet our operating expenses, working capital and capital expenditure needs over at least the next 12 months following the date of this filing.

Our future capital requirements will depend on many factors, including, but not limited to our ability to raise additional capital through equity or debt financing, our ability to successfully secure additional partnerships under contract with new partners and increase the number of programs covered under contracts with existing partners, the successful preclinical and clinical development by our partners of product candidates generated using our Integrated Drug Creation Platform and the successful commercialization by our partners of any such product candidates that are approved. If we are unable to execute on our business plan and adequately fund operations, or if our business plan requires a level of spending in excess of cash resources, we may be required to negotiate partnerships in which we receive greater near-term payments at the

expense of potential downstream revenue. Alternatively, we may need to seek additional equity or debt financing, which may not be available on terms acceptable to us or at all. To the extent that we raise additional capital through the sale of equity or convertible debt securities, the ownership interest of our stockholders will be diluted, and the terms of these securities may include liquidation or other preferences that adversely affect the rights of our common stockholders. Debt financing and preferred equity financing, if available, may involve agreements that include covenants restricting our ability to take specific actions, such as incurring additional debt, selling or licensing our assets, making product acquisitions, making capital expenditures, or declaring dividends. If we are unable to generate sufficient revenue or raise additional capital when desired, our business, financial condition, results of operations and prospects would be adversely affected.

Sources of Liquidity

Since our inception, we have financed our operations primarily from the issuance and sale of our redeemable convertible preferred stock, issuances of equity securities, borrowings under long-term debt agreements, and to a lesser extent, cash flow from operations.

Redeemable convertible preferred stock

Through December 31, 2021 and December 31, 2020, we have raised a total of \$104.3 million and \$99.4 million, respectively, from the issuance of redeemable convertible preferred stock, net of issuance costs. In 2020, we issued shares of Series E redeemable convertible preferred stock for net proceeds of \$64.7 million. In 2021, we issued additional shares of Series E redeemable convertible preferred stock for net proceeds of \$4.9 million. In July 2021, all convertible preferred stock converted into an aggregate of 46,266,256 shares immediately prior to our IPO.

Bridge Bank Loan and Security Agreement

In June 2018, we entered into a Loan and Security Agreement (LSA) with Bridge Bank (Bank), a division of Western Alliance Bank. We initially borrowed the first tranche of \$0.3 million in June 2018. We increased our borrowings to \$3.0 million in March 2019, and to \$5.0 million in May 2020. As of December 31, 2021, we had \$3.4 million in outstanding principal under the facility. The loan originally matured in May 2022, at which time all outstanding principal and accrued and unpaid interest is due and payable. In June 2021, the Company entered into a fifth amendment to the LSA. This amendment modified the term loan's maturity date to June 16, 2023. This loan is secured by substantially all our tangible assets; intellectual property is excluded from this secured collateral, but is subject to a negative pledge in favor of Bank.

Convertible notes

In March 2021, we issued \$125.0 million aggregate principal amount of Convertible Notes to certain existing and new investors. In July 2021, the Convertible Notes converted into an aggregate of 9,732,593 shares immediately prior to our IPO, at a price per share calculated based on 82% of the IPO price of \$16.00.

Initial Public Offering

In July 2021, we completed our IPO and issued 14.4 million shares of our common stock, including 1.9 million shares pursuant to the full exercise of the underwriters' option to purchase additional shares, at a price of \$16.00 per share and received net proceeds of \$210.1 million from the IPO.

Cash Flows

The following summarizes our cash flows for the years ended December 31, 2021 and 2020 (In thousands):

	For the Years Ended December 31,	
	2021	2020
Net cash provided by (used in)		
Operating activities	(60,598)	(10,970)
Investing activities	(67,377)	(2,171)
Financing activities	336,193	70,973
Net increase (decrease) in cash, cash equivalents, and restricted cash	\$ 208,218	\$ 57,832

Cash Flows from Operating Activities

In the year ended December 31, 2021, net cash used in operating activities was \$60.6 million and consisted primarily of a net loss of \$101.0 million adjusted for non-cash items, including depreciation and amortization expense of \$6.7 million, stock-based compensation of \$10.6 million, gain on extinguishment of our PPP loan of \$0.6 million, an increase to our convertible note liability of \$30.7 million, an increase to our preferred stock warrant liability of \$4.1 million and a net increase in operating assets and liabilities in the amount of \$3.1 million.

In the year ended December 31, 2020, net cash used in operating activities was \$11.0 million and consisted primarily of a net loss of \$14.4 million adjusted for non-cash items, including depreciation and amortization expense of \$1.1 million and an increase to our preferred stock warrant liability of \$0.5 million.

Cash Flows from Investing Activities

In the year ended December 31, 2021, net cash used in investing activities was \$67.4 million. The net cash used resulted primarily from purchases of lab equipment and leasehold improvements of \$38.0 million as we expanded our operations and overall capacity and cash paid as part of our acquisitions of Denovium and Totient of \$28.1 million, and an investment in equity securities of \$1.2 million.

In the year ended December 31, 2020, net cash used in investing activities was \$2.2 million primarily from purchases of lab equipment.

Cash Flows from Financing Activities

In the year ended December 31, 2021, net cash provided by financing activities was \$336.2 million. The net cash provided resulted primarily from total net proceeds of \$210.1 million from the IPO, the issuance of Series E redeemable convertible preferred stock, net of issuance costs, in the amount of \$4.9 million, the issuance of \$125.0 million of convertible promissory notes in March 2021, and was partially offset by principal payments made for leased equipment under finance leases and the term loan in the amount of \$4.1 million.

In the year ended December 31, 2020, net cash provided by financing activities was \$71.0 million. The net cash provided resulted primarily from the issuance of Series D redeemable convertible preferred units, net of issuance costs, in the amount of \$69.3 million, proceeds from the issuance of long-term debt and notes payable in the amount of \$3.2 million and was partially offset by principal payments made for leased equipment under finance leases and the term loan in the amount of \$1.6 million.

Income taxes

The Company's effective income tax rate from continuing operations was 8.1% for the year ended December 31, 2021. The effective income tax rates reflect the impact of non-deductible expenses, state and local taxes and tax credits. When applicable, the income tax provision also includes adjustments from discrete tax items, including the tax impacts of the business combinations for Denovium and Totient for the year ended December 31, 2021.

Critical Accounting Estimates

Our management's discussion and analysis of our financial condition and results of operations is based on our financial statements, which have been prepared in accordance with United States generally accepted accounting principles. The preparation of these financial statements requires us to make estimates and assumptions that affect the reported amounts of assets and liabilities and the disclosure of contingent assets and liabilities at the date of the financial statements, as well as the reported expenses incurred during the reporting periods. Our estimates are based on our historical experience and on various other factors that we believe are reasonable under the circumstances, the results of which form the basis for making judgments about the carrying value of assets and liabilities that are not readily apparent from other sources. Actual results may differ from these estimates under different assumptions or conditions.

While our significant accounting policies are described in more detail in Note 2: Summary of significant accounting policies to our financial statements appearing elsewhere in this Form 10-K, we believe that the following accounting policies are those most critical to the judgments and estimates used in the preparation of our financial statements.

Revenue recognition

We recognize revenue as control of our products and services are transferred to our customers in an amount that reflects the consideration expected to be received in exchange for those products and services. This process involves identifying the contract with a customer, determining the performance obligations in the contract, determining the contract price, allocating the contract price to the distinct performance obligations in the contract, and recognizing revenue when or as the performance obligations are satisfied. A performance obligation is considered distinct from other obligations in a contract when it provides a benefit to the customer either on its own or together with other resources that are readily available to the customer and is separately identified in the contract. We consider a performance obligation satisfied once control of a good or service has been transferred to the customer, meaning the customer has the ability to use and obtain the benefit of the good or service. Technology development revenue includes revenue associated to the discovery, development and technology readiness phases of technology development agreements. We refer to our customers as "partners" when describing our relationship in an agreement.

Technology development revenue

Our TDAs generally include multiple phases of Discovery and CLD such as target discovery, library design, assay development, strain screening, fermentation optimization, purification, and analytics that all represent a single performance obligation. These agreements may include options for additional goods and services such as readying the technology to transfer to the partner and licensing terms. The transaction prices for these arrangements include fixed and variable consideration for the single performance obligation as well as variable consideration for success-based achievements. Any variable consideration is constrained to the extent that it is probable that a significant reversal of cumulative revenue will not occur. Depending on the specific terms of the arrangement, we either recognize revenue over time or at a point in time. While there is no alternative use for the asset created, the agreement's terms vary as to whether an enforceable right to payment exists for performance completed as of that date. Primarily all of our contracts with our partners include an enforceable right to payment.

We measure progress toward the completion of the performance obligations satisfied over time using an input method based on an overall estimate of the effort incurred to date at each reporting period to satisfy a performance obligation. This method provides an appropriate depiction of completed progress toward fulfilling our performance obligations for each respective arrangement. In certain TDAs that require a portion of the contract consideration to be received in advance at the commencement of the contract, such advance payment is initially recorded as a contract liability.

Business combinations

We utilize the acquisition method of accounting for business combinations and allocate the purchase price of an acquisition to the various tangible and intangible assets acquired and liabilities assumed based on their estimated fair values. We primarily establish fair value using the replacement cost approach or the income approach based upon a discounted cash flow model. The replacement cost approach measures the value of an asset by the cost to reconstruct or replace it with another of like utility. The income approach requires the

use of many assumptions and estimates including future revenues and expenses, as well as discount factors and income tax rates. Other estimates include:

- The use of carrying value as a proxy for fair values of fixed assets and liabilities assumed from the target; and
- Fair values of intangible assets and contingent consideration.

While we use best estimates and assumptions as part of the purchase price allocation process to accurately value assets acquired and liabilities assumed at the business acquisition date, these estimates and assumptions are inherently uncertain and subject to refinement. As a result, during the purchase price measurement period, which is no more than one year from the business acquisition date, we may record adjustments to the assets acquired and liabilities assumed, with the corresponding offset to goodwill. We have recorded adjustments during the period ended December 31, 2021 related to our Totient acquisition. Business combinations also require us to estimate the useful life of certain intangible assets acquired and this estimate requires significant judgment.

Stock-based compensation

Stock-based compensation includes compensation expense for incentive units, restricted stock, and stock option grants to employees and is measured on the grant date based on the fair value of the award and recognized on a straight-line basis over the requisite service period. The fair value of options to purchase common stock are measured using the Black-Scholes option-pricing model. The Company accounts for forfeitures as they occur. Prior to the LLC Conversion, the Company also granted phantom units which due to the presence of an exercise condition contingent upon a liquidity event, the Company determined that it was not probable that the phantom units would become exercisable.

See Note 10: Stock-based compensation to our financial statements included elsewhere in this Annual Report on form 10-K for more information concerning certain of the specific assumptions we used in applying the Black-Scholes option pricing model to determine the estimated fair value of our stock options. Certain of such assumptions involve inherent uncertainties and the application of significant judgment. As a result, if factors or expected outcomes change and we use significantly different assumptions or estimates, our stock-based compensation could be materially different.

Determination of the Fair Value of Common Stock

We are required to estimate the fair value of the common stock underlying our stock-based awards when performing fair value calculations using the Black-Scholes option pricing model. Prior to our common stock being publicly traded, the fair value of the common stock underlying our stock-based awards was determined on each grant date by management and approved by our board of directors, considering our most recently available third-party valuation of common shares. All options to purchase shares of our common stock are intended to be granted with an exercise price per share no less than the fair value per share of our common stock underlying those options on the date of grant, based on the information known to us on the date of grant.

Our determination of the value of our common stock was performed using methodologies, approaches and assumptions consistent with the American Institute of Certified Public Accountants (AICPA), Audit and Accounting Practice Aid Series: Valuation of Privately Held Company Equity Securities Issued as Compensation (AICPA Practice Aid). In addition, our board of directors considered various objective and subjective factors to determine the fair value of our common stock, including:

- valuations of our common stock performed by third-party valuation specialists;
- the anticipated capital structure that will directly impact the value of the currently outstanding securities;
- our results of operations and financial position;
- the composition of, and changes to, our management team and board of directors;
- the lack of liquidity of our common stock as a private company;

- our stage of development and business strategy and the material risks related to our business and industry;
- external market conditions affecting the life sciences and biotechnology industry sectors;
- U.S. and global economic conditions;
- the likelihood of achieving a liquidity event for the holders of our common stock, such as an IPO or a sale of our company, given prevailing market conditions; and
- the market value and volatility of comparable companies.

The AICPA Practice Aid prescribes several valuation approaches for setting the value of an enterprise, such as the cost, income and market approaches, and various methodologies for allocating the value of an enterprise to its common stock. The cost approach establishes the value of an enterprise based on the cost of reproducing or replacing the property less depreciation and functional or economic obsolescence, if present. The income approach establishes the value of an enterprise based on the present value of future cash flows that are reasonably reflective of our future operations, discounting to the present value with an appropriate risk adjusted discount rate or capitalization rate. The market approach is based on the assumption that the value of an asset is equal to the value of a substitute asset with the same characteristics.

In accordance with the AICPA Practice Aid, we considered the various methods for allocating the enterprise value to determine the fair value of our common stock at the valuation date. Under the option pricing method (OPM), shares are valued by creating a series of call options with exercise prices based on the liquidation preferences and conversion terms of each equity class. The value of the common stock is inferred by analyzing these options. The probability weighted expected return method (PWERM) is a scenario-based analysis that estimates the value per share based on the probability-weighted present value of expected future investment returns, considering each of the possible outcomes available to us, as well as the economic and control rights of each share class.

Starting in 2020, we used a hybrid method to determine the estimated fair value of our common stock, which included both the OPM and PWERM models.

Following our IPO, estimation of the fair value of our common stock was no longer considered a critical accounting estimate.

Recent Accounting Pronouncements

See Note 2: Summary of significant accounting policies to our Financial Statements “Recently adopted accounting pronouncements and Recently issued accounting pronouncements, not yet adopted” for more information.

Emerging Growth Company Status

We are an emerging growth company, as defined in the JOBS Act. Under the JOBS Act, emerging growth companies can delay adopting new or revised accounting standards issued subsequent to the enactment of the JOBS Act until such time as those standards apply to private companies. Section 107 of the JOBS Act provides that an emerging growth company may take advantage of the extended transition period provided in Section 7(a)(2)(B) of the Securities Act of 1933 for complying with new or revised accounting standards issued subsequent to the enactment of the JOBS Act until such time as those standards apply to private companies. Section 107 of the JOBS Act provides that we can elect to opt out of the extended transition period at any time, which election is irrevocable. We have elected to use this extended transition period for complying with new or revised accounting standards that have different effective dates for public and private companies until the earlier of the date we (i) are no longer an emerging growth company or (ii) affirmatively and irrevocably opt out of the extended transition period provided in the JOBS Act. As a result, our financial statements may not be comparable to companies that comply with new or revised accounting pronouncements as of public company effective dates.

Subject to certain conditions, as an emerging growth company, we may rely on certain other exemptions and reduced reporting requirements, including without limitation (i) providing an auditor’s attestation report on our system of internal controls over financial reporting pursuant to Section 404(b) of the Sarbanes-Oxley Act and (ii) complying with any requirement that may be adopted by the Public Company Accounting Oversight Board (PCAOB) regarding mandatory audit firm rotation or a supplement to the auditor’s report providing

additional information about the audit and the consolidated financial statements, known as the auditor discussion and analysis. We will remain an emerging growth company until the earlier of (a) the last day of the fiscal year in which we have total annual gross revenue of \$1.07 billion or more; (b) December 31, 2026, the last day of the fiscal year following the fifth anniversary of the date of the completion of our IPO; (c) the date on which we have issued more than \$1.0 billion in nonconvertible debt during the previous three years; or (d) the date on which we are deemed to be a large accelerated filer under the rules of the SEC.

Item 7A. Quantitative and Qualitative Disclosure About Market Risk

None.

Item 8. Financial Statements and Supplementary Data

INDEX TO CONSOLIDATED FINANCIAL STATEMENTS

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Report of Independent Registered Public Accounting Firm

To the Shareholders and the Board of Directors of Absci Corporation

Opinion on the Financial Statements

We have audited the accompanying consolidated balance sheets of Absci Corporation and subsidiaries (the Company) as of December 31, 2021 and 2020, the related consolidated statements of operations and comprehensive loss, changes in redeemable convertible preferred stock and units and other stockholders' and members' deficit, and cash flows for each of the two years in the period ended December 31, 2021, and the related notes (collectively referred to as the "consolidated financial statements"). In our opinion, the consolidated financial statements present fairly, in all material respects, the financial position of the Company at December 31, 2021 and 2020, and the results of its operations and its cash flows for each of the two years in the period ended December 31, 2021, in conformity with U.S. generally accepted accounting principles.

Basis for Opinion

These financial statements are the responsibility of the Company's management. Our responsibility is to express an opinion on the Company's financial statements based on our audits. We are a public accounting firm registered with the Public Company Accounting Oversight Board (United States) (PCAOB) and are required to be independent with respect to the Company in accordance with the U.S. federal securities laws and the applicable rules and regulations of the Securities and Exchange Commission and the PCAOB.

We conducted our audits in accordance with the standards of the PCAOB. Those standards require that we plan and perform the audit to obtain reasonable assurance about whether the financial statements are free of material misstatement, whether due to error or fraud. The Company is not required to have, nor were we engaged to perform, an audit of its internal control over financial reporting. As part of our audits we are required to obtain an understanding of internal control over financial reporting but not for the purpose of expressing an opinion on the effectiveness of the Company's internal control over financial reporting. Accordingly, we express no such opinion.

Our audits included performing procedures to assess the risks of material misstatement of the financial statements, whether due to error or fraud, and performing procedures that respond to those risks. Such procedures included examining, on a test basis, evidence regarding the amounts and disclosures in the financial statements. Our audits also included evaluating the accounting principles used and significant estimates made by management, as well as evaluating the overall presentation of the financial statements. We believe that our audits provide a reasonable basis for our opinion.

/s/ Ernst & Young LLP

We have served as the Company's auditor since 2021

Seattle, Washington

March 22, 2022

ABSCI CORPORATION
CONSOLIDATED BALANCE SHEETS

(In thousands, except for share and per share data)	December 31, 2021	December 31, 2020
ASSETS		
Current assets:		
Cash and cash equivalents	\$ 252,569	\$ 69,867
Restricted cash	10,513	—
Receivables under development arrangements	1,425	1,594
Prepaid expenses and other current assets	8,572	1,773
Total current assets	273,079	73,234
Operating lease right-of-use assets	6,538	4,476
Property and equipment, net	52,114	8,909
Intangibles, net	54,992	—
Goodwill	21,335	—
Restricted cash, long-term	16,844	1,841
Other long-term assets	1,293	109
TOTAL ASSETS	\$ 426,195	\$ 88,569
LIABILITIES, REDEEMABLE CONVERTIBLE PREFERRED STOCK AND OTHER STOCKHOLDERS' DEFICIT		
Current liabilities:		
Accounts payable	\$ 8,385	\$ 2,116
Accrued expenses	17,434	1,569
Loans payable	—	632
Long-term debt, current	2,400	903
Operating lease obligations, current	1,502	770
Financing lease obligations, current	2,785	1,475
Deferred revenue, current	1,353	2,630
Total current liabilities	33,859	10,095
Long-term debt - net of current portion	1,124	4,141
Operating lease obligations - net of current portion	8,969	3,813
Finance lease obligations - net of current portion	3,231	2,766
Deferred tax, net	743	—
Other long-term liabilities	12,162	749
TOTAL LIABILITIES	60,088	21,564
Commitments (See Note 8)		
Redeemable convertible preferred stock, \$0.0001 par value; 0 and 13,845,050 shares authorized as of December 31, 2021 and December 31, 2020, respectively; 0 and 13,752,043 issued and outstanding as of December 31, 2021 and December 31, 2020 respectively; liquidation preference of \$203,095 as of December 31, 2020;	—	156,433
STOCKHOLDERS' DEFICIT		
Preferred stock, \$0.0001 par value; 10,000,000 and 0 shares authorized as of December 31, 2021 and December 31, 2020, respectively; 0 shares issued and outstanding as of December 31, 2021 and December 31, 2020, respectively	—	—
Common stock, \$0.0001 par value; 500,000,000 and 72,668,200 shares authorized as of December 31, 2021 and December 31, 2020, respectively; 92,648,036 and 17,887,631 shares issued and outstanding as of December 31, 2021 and December 31, 2020, respectively	9	2
Additional paid-in capital	557,136	635
Accumulated deficit	(191,025)	(90,065)
Accumulated other comprehensive loss	(13)	—
TOTAL OTHER STOCKHOLDERS' DEFICIT	366,107	(89,428)
TOTAL LIABILITIES, REDEEMABLE CONVERTIBLE PREFERRED STOCK AND OTHER STOCKHOLDERS' DEFICIT	\$ 426,195	\$ 88,569

The accompanying notes are an integral part of these consolidated financial statements.

ABSCI CORPORATION
CONSOLIDATED STATEMENTS OF OPERATIONS AND COMPREHENSIVE LOSS

(In thousands, except for share and per share data)	For the Years Ended December 31,	
	2021	2020
Revenues		
Technology development revenue	\$ 4,009	\$ 4,117
Collaboration revenue	773	663
Total revenues	4,782	4,780
Operating expenses		
Research and development	44,586	11,448
Selling, general and administrative	28,780	5,502
Depreciation and amortization	6,654	1,131
Total operating expenses	80,020	18,081
Operating loss	(75,238)	(13,301)
Other expense		
Interest expense	(3,432)	(634)
Other expense, net	(31,189)	(418)
Total other expense, net	(34,621)	(1,052)
Loss before income taxes	(109,859)	(14,353)
Income tax benefit	8,899	—
Net loss	(100,960)	(14,353)
Adjustment of redeemable preferred units and stock	—	(34,336)
Cumulative undeclared preferred stock dividends	(2,284)	(780)
Net loss applicable to common stockholders and unitholders	\$ (103,244)	\$ (49,469)
Net loss per share attributable to common stockholders and unitholders: Basic and diluted	\$ (2.08)	\$ (3.19)
Weighted-average common shares and units outstanding: Basic and diluted	49,685,194	15,494,908
Comprehensive loss:		
Net loss	\$ (100,960)	\$ (14,353)
Foreign currency translation adjustments	(13)	—
Comprehensive loss	\$ (100,973)	\$ (14,353)

The accompanying notes are an integral part of these consolidated financial statements

ABSCI CORPORATION
STATEMENTS OF CHANGES IN REDEEMABLE CONVERTIBLE PREFERRED STOCK AND UNITS AND OTHER STOCKHOLDERS'
AND MEMBERS'
DEFICIT

(In thousands, except for unit, share, per unit, and per share data)	Redeemable Convertible Preferred Units		Redeemable Convertible Preferred Stock		Common Units		Common Stock		Additional Paid-In Capital	Accumulated Deficit	Accumulated Other Comprehensive Loss	Total Stockholders' and Members' Deficit
	Units	Amount	Shares	Amount	Units	Amount	Shares	Amount				
December 31, 2019	9,964,572	\$52,763	—	\$ —	15,215,724	\$ 2	—	\$ —	\$ 215	\$ (41,376)	\$ —	\$ (41,159)
Issuance of Class D preferred units, net of issuance costs	473,952	4,625	—	—	—	—	—	—	—	—	—	—
Increase in preferred unit redemption value	—	34,336	—	—	—	—	—	—	—	(34,336)	—	(34,336)
Conversion of preferred and common units to shares	(10,438,524)	(91,724)	10,438,524	91,724	(15,215,724)	(2)	15,215,724	2	—	—	—	—
Issuance of Class E preferred stock, net of issuance costs	—	—	3,313,519	64,709	—	—	—	—	—	—	—	—
Issuance of Restricted stock	—	—	—	—	—	—	2,671,907	—	—	—	—	—
Stock-based compensation	—	—	—	—	—	—	—	—	420	—	—	420
Net loss	—	—	—	—	—	—	—	—	—	(14,353)	—	(14,353)
December 31, 2020	—	\$ —	13,752,043	\$156,433	—	\$ —	17,887,631	\$ 2	\$ 635	\$ (90,065)	\$ —	\$ (89,428)
Issuance of Series E preferred stock, net of issuance costs	—	—	254,886	4,944	—	—	—	—	—	—	—	—
Issuance of restricted stock	—	—	—	—	—	—	703,425	—	—	—	—	—
Issuance of shares upon option exercise	—	—	—	—	—	—	153,416	—	169	—	—	169
Stock-based compensation	—	—	—	—	—	—	—	—	9,932	—	—	9,932
Issuance of shares in acquisitions	—	—	—	—	—	—	3,222,504	—	14,259	—	—	14,259
Issuance of common shares upon initial public offering, net of issuance costs of \$3,766	—	—	—	—	—	—	14,375,000	1	210,133	—	—	210,134
Conversion of convertible note	—	—	—	—	—	—	9,732,593	1	155,721	—	—	155,722
Conversion of redeemable convertible preferred stock	—	—	(14,006,929)	(161,377)	—	—	46,266,256	5	161,372	—	—	161,377
Conversion of warrant liability	—	—	—	—	—	—	—	—	4,822	—	—	4,822
Issuance of shares upon warrant exercise	—	—	—	—	—	—	307,211	—	93	—	—	93
Foreign currency translation adjustments	—	—	—	—	—	—	—	—	—	—	(13)	(13)
Net loss	—	—	—	—	—	—	—	—	—	(100,960)	—	(100,960)
December 31, 2021	—	\$ —	—	\$ —	—	\$ —	92,648,036	\$ 9	\$557,136	\$ (191,025)	\$ (13)	\$ 366,107

The accompanying notes are an integral part of these consolidated financial statements.

ABSCI CORPORATION
CONSOLIDATED STATEMENTS OF CASH FLOWS

(In thousands)	For the Years Ended December 31,	
	2021	2020
Cash Flows From Operating Activities		
Net loss	(100,960)	(14,353)
Adjustments to reconcile net loss to net cash used in operating activities		
Depreciation and amortization	6,654	1,131
Deferred income taxes	(8,901)	—
Share-based compensation	10,608	420
Change in fair value of convertible promissory notes	30,722	—
Gain on extinguishment of loan payable	(636)	—
Loss on disposal and impairment of assets	948	363
Foreign exchange transaction losses (gains)	(11)	—
Preferred stock warrant liability expense	4,124	461
Changes in operating assets and liabilities:		
Receivables under development arrangements	230	(1,372)
Prepaid expenses and other current assets	(7,636)	(1,434)
Operating lease right-of-use assets and liabilities	3,256	93
Other long-term assets	126	(85)
Accounts payable	1,574	903
Accrued expenses and other liabilities	581	1,053
Deferred revenue	(1,277)	1,850
Net cash used in operating activities	(60,598)	(10,970)
Cash Flows From Investing Activities		
Purchases of property and equipment	(38,047)	(2,181)
Acquisitions, net of cash acquired	(28,130)	—
Investment in equity securities	(1,200)	—
Proceeds from sales of property and equipment	—	10
Net cash used in investing activities	(67,377)	(2,171)
Cash Flows From Financing Activities		
Proceeds from issuance of redeemable convertible preferred units and stock, net of issuance costs	4,944	69,334
Proceeds from issuance of long-term debt	—	2,598
Proceeds from notes payable	—	632
Principal payments on long-term debt	(1,600)	(500)
Principal payments on finance lease obligations	(2,547)	(1,091)
Proceeds from issuance of common stock, net of issuance costs	210,396	—
Proceeds from issuance of convertible promissory notes	125,000	—
Net cash provided by financing activities	336,193	70,973
Net increase (decrease) in cash, cash equivalents, and restricted cash	208,218	57,832
Cash, cash equivalents and restricted cash - Beginning of year	71,708	13,876
Cash, cash equivalents, and restricted cash - End of period	\$ 279,926	\$ 71,708
Supplemental Disclosure of Cash Flow Information		
Cash paid during the period for interest	\$ 652	\$ 508
Supplemental Disclosure of Non-Cash Investing and Financing Activities		
Property and equipment purchased under finance lease	\$ 4,313	\$ 3,988
Right-of-use assets obtained in exchange for operating lease obligation	3,330	3,114
Cash paid for amounts included in the measurement of operating lease liabilities	1,631	422
Property and equipment purchases included in accounts payable	5,565	945
Increase in redemption value of convertible preferred stock	—	34,336

The accompanying notes are an integral part of these consolidated financial statements.

ABSCI CORPORATION
NOTES TO CONSOLIDATED FINANCIAL STATEMENTS

1. Organization and nature of operations

Absci Corporation (the "Company") has developed an integrated drug creation platform (the "Integrated Drug Creation Platform") by merging deep learning artificial intelligence and synthetic biology. The Integrated Drug Creation Platform enables the creation of biologics by unifying the drug discovery and cell line development processes into one process. The Company was organized in the State of Oregon in August 2011 as a limited liability company and converted to a limited liability company ("LLC") in Delaware in April 2016. In October 2020, the Company converted from a Delaware LLC to a Delaware corporation (the "LLC Conversion"). The Company's headquarters are located in Vancouver, Washington.

Authorized shares of common stock

In June 2021, the Company's board of directors (the "Board") and stockholders increased the number of authorized shares of common stock to 78,320,000.

Initial Public Offering

In July 2021, we completed our initial public offering (IPO) and issued 14.4 million shares of our common stock, including 1.9 million shares pursuant to the full exercise of the underwriters' option to purchase additional shares, at a price of \$16.00 per share and received net proceeds of \$210.1 million from the IPO. Immediately prior to the completion of the IPO, all shares of redeemable convertible preferred stock then outstanding were converted into 46.3 million shares of common stock and all convertible notes issued in March 2021 were converted into 9.7 million shares of common stock.

Amendments to Certificate of Incorporation or Bylaws

In connection with the consummation of the IPO, the Company filed an amended and restated certificate of incorporation (the "Restated Certificate") with the Secretary of State of the State of Delaware. The Board and stockholders previously approved the Restated Certificate to be filed in connection with, and to be effective upon, the consummation of the IPO. The Restated Certificate amended and restated the Company's existing amended and restated certificate of incorporation, as amended, in its entirety to, among other things: (i) authorize 500,000,000 shares of common stock; (ii) eliminate all references to the previously-existing series of preferred stock; (iii) authorize 10,000,000 shares of undesignated preferred stock that may be issued from time to time by the Board in one or more series; (iv) establish a classified board divided into three classes, with each class serving staggered three-year terms and (v) require the approval of holders of at least 75% of the voting power of the Company's outstanding shares of voting stock to amend or repeal certain provisions of the Restated Certificate.

Stock split

On July 16, 2021, the Board and stockholders approved an amendment to the Company's amended and restated certificate of incorporation to effect a forward stock split of the Company's issued and outstanding common stock at a 3.3031-to-1 ratio, which was effected on July 19, 2021. The par value and convertible preferred stock were not adjusted as a result of the forward stock split. All issued and outstanding common stock, options to purchase common stock and units, and per share and unit amounts contained in the financial statements have been retroactively adjusted to reflect the forward stock split for all periods presented. The financial statements have also been retroactively adjusted to reflect a proportional adjustment to the conversion ratio for each series of preferred stock that was effected in connection with the forward stock split.

LLC Conversion

In conjunction with the LLC Conversion as of October 15, 2020, (i) all of the Company's outstanding common units converted on a 1-for-1 basis into shares of common stock, par value \$0.0001; and (ii) all of the Company's outstanding redeemable preferred units converted on a 1-for-1 basis into shares of redeemable convertible preferred stock, par value \$0.0001. Prior to the LLC Conversion, the Company had issued incentive units to certain employees, directors, and consultants. The outstanding vested incentive units converted on a net issuance basis into shares of common stock and the outstanding unvested incentive units converted on a net issuance basis into restricted common stock. All vesting provisions remained the same following the LLC

ABSCI CORPORATION
NOTES TO CONSOLIDATED FINANCIAL STATEMENTS

Conversion. See Note 10: Stock-based compensation for further discussion of the LLC Conversion's impact on the Company's stock-based compensation plans.

2. Summary of significant accounting policies

Basis of presentation

The consolidated financial statements are prepared in accordance with US GAAP as defined by the Financial Accounting Standards Board ("FASB"). The consolidated financial statements include the Company's wholly-owned subsidiaries and entities under its control. The Company has eliminated all intercompany transactions and accounts.

Emerging growth company

The Company is an "emerging growth company," as defined in Section 2(a) of the Securities Act, as modified by the Jumpstart Our Business Startups Act of 2012 (the "JOBS Act"), and it may take advantage of certain exemptions from various reporting requirements that are applicable to other public companies that are not emerging growth companies including, but not limited to, not being required to comply with the independent registered public accounting firm attestation requirements of Section 404 of the Sarbanes-Oxley Act of 2002, reduced disclosure obligations regarding executive compensation in its periodic reports and proxy statements, and exemptions from the requirements of holding a nonbinding advisory vote on executive compensation and stockholder approval of any golden parachute payments not previously approved.

Business combinations

The Company utilizes the acquisition method of accounting for business combinations and allocates the purchase price of an acquisition to the various tangible and intangible assets acquired and liabilities assumed based on their estimated fair values. The Company primarily establishes fair value using the replacement cost approach or the income approach based upon a discounted cash flow model. The replacement cost approach measures the value of an asset by the cost to reconstruct or replace it with another of like utility. The income approach requires the use of many assumptions and estimates including future revenues and expenses, as well as discount factors and income tax rates. Other estimates include:

- The use of carrying value as a proxy for fair values of fixed assets and liabilities assumed from the target; and
- Fair values of intangible assets and contingent consideration.

While the Company uses best estimates and assumptions as part of the purchase price allocation process to accurately value assets acquired and liabilities assumed at the business acquisition date, these estimates and assumptions are inherently uncertain and subject to refinement. As a result, during the purchase price measurement period, which is no more than one year from the business acquisition date, the Company may record adjustments to the assets acquired and liabilities assumed, with the corresponding offset to goodwill. Business combinations also require the Company to estimate the useful life of certain intangible assets acquired and this estimate requires significant judgment.

Use of estimates

The preparation of financial statements in accordance with US GAAP requires management to make estimates and assumptions that affect certain reported amounts of assets and liabilities and disclosure of contingent assets and liabilities at the date of the financial statements and the reported amounts of revenues and expenses during the reporting period. Such estimates include, but are not limited to, revenue recognition including estimated timing of the satisfaction of performance obligations, purchase price allocations in conjunction with business combinations, and the fair value of stock-based compensation awards. The Company bases its estimates on historical experiences, and other relevant factors that it believes to be reasonable under the circumstances. Actual results could differ from those estimates.

ABSCI CORPORATION
NOTES TO CONSOLIDATED FINANCIAL STATEMENTS

Segment information

The Company operates as a single operating segment. The Company's chief operating decision maker, its Chief Executive Officer, manages the Company's operations on a consolidated basis for the purposes of allocating resources, making operating decisions and evaluating performance.

Cash, cash equivalents and restricted cash

The Company considers all highly liquid investments with an original maturity of three months or less to be cash equivalents.

Restricted cash represents amounts pledged as collateral for future property lease payments via standby letters of credit (see Note 8: Commitments and contingencies) and amounts held in escrow related to acquisitions by the Company (see Note 3: Acquisitions).

Accounts receivable

Accounts receivable consists of amounts due from partners for services performed. The Company reviews accounts receivable for credit impairment and regularly analyzes the status of significant past due receivables to determine if any will potentially be uncollectible to estimate the amount of allowance necessary to reduce accounts receivable to its estimated net realizable value. To date, no allowance has been necessary. See contract asset discussion below regarding unbilled receivables.

Fair value of financial instruments

Certain assets and liabilities are carried at fair value under US GAAP and consist principally of a fee in-lieu of warrant issuance, a warrant to purchase convertible preferred stock and convertible promissory notes. The carrying amounts of cash equivalents, accounts payable, and accrued liabilities approximate their related fair values due to the short-term nature of these instruments. None of the Company's non-financial assets or liabilities are recorded at fair value on a recurring basis.

As permitted under Accounting Standards Codification ("ASC") 825, Financial Instruments, ("ASC 825"), the Company has elected the fair value option to account for its convertible promissory notes issued during the year ended December 31, 2021. In accordance with ASC 825, the Company records these convertible promissory notes at fair value on its consolidated balance sheet. Changes in fair value of the warrant to purchase convertible preferred stock and the convertible promissory notes are recorded in the consolidated statements of operations and comprehensive loss. As a result of applying the fair value option, direct costs and fees related to the convertible promissory notes were recognized as incurred and not deferred.

There are significant judgments and estimates inherent in the determination of the fair value of these liabilities. If the Company had made different assumptions including, among others, those related to the timing and probability of various corporate scenarios, discount rates, volatilities and exit valuations, the carrying values of the fee in lieu of warrant, warrant liability, and net loss and net loss per common share could have been significantly different.

Concentration risk

Financial instruments that potentially subject the Company to concentrations of credit risk consist principally of cash and cash equivalents, restricted cash, and receivables under development arrangements. The Company maintains its cash and cash equivalents and restricted cash in bank accounts, which at times may exceed federally insured limits. The Company has not experienced any losses on these accounts. For the years ended December 31, 2021 and 2020, two partners represented approximately 73% and 77% of technology development revenue, respectively.

As of December 31, 2021, four partners represented approximately 84% of total receivables under technology development arrangements. As of December 31, 2020, one partner represented approximately 93% of total receivables under technology development arrangements.

The Company purchases from and relies on two vendors for specific equipment and consumables which are critical to its operations. While there are alternative types of equipment that could be used, switching vendors would require significant capital investment, long lead times and significant training and validation.

ABSCI CORPORATION
NOTES TO CONSOLIDATED FINANCIAL STATEMENTS

Supplies

Supplies, comprised principally of supplies and other materials used in the lab, are stated at the lower of cost or net realizable value and using the first-in, first-out method, applied on a consistent basis. The supplies inventory is included in prepaid expenses and other current assets on the consolidated balance sheet.

Property and equipment, net

Property and equipment are stated at cost less accumulated depreciation and amortization. Additions and improvements to property and equipment are capitalized. The costs of maintenance and repairs are expensed as incurred. Depreciation and amortization are computed using the straight-line method over the estimated useful lives of the underlying assets, which vary from 3 to 7 years. Leasehold improvements are amortized over the shorter of the term of the lease or the estimated useful lives of the assets. When assets are sold or otherwise disposed of, the cost and related accumulated depreciation or amortization are removed from their respective accounts, and the resulting gain or loss is reported as income or expense in the consolidated statements of operations and comprehensive loss.

Impairment of long-lived assets

Management reviews long-lived assets for possible impairment whenever events or circumstances indicate that the carrying amount of such assets may not be recoverable. Recoverability is measured by comparison of the carrying amount to the future undiscounted net cash flows expected to result from the use of the asset and its eventual disposition. If these estimated cash flows were less than the carrying amount of the asset, an impairment loss would be recognized in order to write down the asset to its estimated fair value. During the year ended December 31, 2021, the Company recognized \$0.6 million in impairment expense of certain operating lease right-of-use assets and \$0.3 million in impairment of leasehold improvements, resulting from the discontinued use of certain leased facilities. There were no such impairments of long-lived assets during the year ended December 31, 2020.

Goodwill

Goodwill is evaluated for impairment on an annual basis as of October 1, or more frequently if an indicator of impairment is present. As part of the impairment evaluation, the Company may elect to perform an assessment of qualitative factors. If this qualitative assessment indicates that it is more likely than not that the fair value of the reporting unit that includes the goodwill is less than its carrying value, then a quantitative impairment test would be prepared to compare this fair value to the carrying value and record an impairment charge if the carrying value exceeds the fair value.

Redeemable convertible preferred units and stock warrant liability

Outstanding warrants that were related to the Company's redeemable convertible preferred units and redeemable convertible preferred stock were classified as liabilities on the consolidated balance sheets. As the warrants were exercisable for redeemable convertible preferred units and redeemable convertible preferred stock, the Company has recognized a liability for the fair value of its warrants on the consolidated balance sheets upon issuance and subsequently remeasures the liability to fair value at the end of each reporting period until the earlier of the expiration or exercise of the warrants. See Note 9: Redeemable convertible preferred stock for further discussion.

Revenue recognition

The Company recognizes revenue as control of its products and services are transferred to its customers in an amount that reflects the consideration expected to be received in exchange for those products and services. This process involves identifying the contract with a customer, determining the performance obligations in the contract, determining the contract price, allocating the contract price to the distinct performance obligations in the contract, and recognizing revenue when or as the performance obligations are satisfied. A performance obligation is considered distinct from other obligations in a contract when it provides a benefit to the customer either on its own or together with other resources that are readily available to the customer and is separately identified in the contract. The Company considers a performance obligation satisfied once control of a good or service has been transferred to the customer, meaning the customer has the ability to use and obtain the benefit of the good or service. Technology development revenue includes revenue

ABSCI CORPORATION
NOTES TO CONSOLIDATED FINANCIAL STATEMENTS

associated to the development and technology readiness phases of technology development agreements. The Company refers to its customers as “partners” when describing their relationship in an agreement.

Technology development revenue

The Company's Technology Development Agreements (“TDAs”) generally include multiple phases of drug discovery and/or Cell Line Development (“CLD”) such as library design, assay development, strain screening, fermentation optimization, purification, and analytics that all represent a single performance obligation. These agreements may include options for additional goods and services such as readying the technology to transfer to the partner and licensing terms. The transaction prices for these arrangements include fixed and variable consideration for the single performance obligation as well as variable consideration for success-based achievements. Any variable consideration is constrained to the extent that it is probable that a significant reversal of cumulative revenue will not occur. Depending on the specific terms of the arrangement, the Company either recognizes revenue over time or at a point in time. While there is no alternative use to the Company for the asset created, the agreement's terms vary as to whether an enforceable right to payment exists for performance completed as of that date. Primarily all of the Company's contracts with its partners include an enforceable right to payment.

The Company measures progress toward the completion of the performance obligations satisfied over time using an input method based on an overall estimate of the effort incurred to date at each reporting period to satisfy a performance obligation. This method provides an appropriate depiction of completed progress toward fulfilling its performance obligations for each respective arrangement. In certain technology development agreements that require a portion of the contract consideration to be received in advance at the commencement of the contract, such advance payment is initially recorded as a contract liability.

KBI BioPharma, Inc. Collaboration agreement

In December 2019, the Company executed a four-year Joint Marketing Agreement (“JMA”) with KBI BioPharma, Inc. (“KBI”) to co-promote technologies through joint marketing efforts. The JMA provides for a non-refundable upfront payment of \$0.8 million and milestone payments of \$2.8 million in the aggregate, of which \$2.3 million had been received as of December 31, 2021, upon the achievement of specific milestones. Upfront payments that relate to ongoing collaboration efforts required throughout the contract term such as joint marketing are recognized ratably throughout the contract term. The Company fully constrains revenue associated with the milestone payments until the specified milestones are probable of achievement. Additionally, KBI is obligated to make royalty payments to the Company during the fourth year of the JMA representing a percentage of its sales generated through the arrangement. Any costs incurred to KBI through the duration of the JMA are recognized as a reduction to collaboration revenue in the period in which they are incurred.

In September 2021, the JMA was amended to shorten the term to approximately three years, while all remaining payments, including potential royalty payments, were replaced with a one-time fee due from KBI in the amount of \$0.3 million. The Company determined the remaining services were distinct from those provided prior to the modification and therefore recognizes the total remaining transaction price prospectively over the remaining contractual term.

As of December 31, 2021 and December 31, 2020, deferred revenue related to the JMA was \$1.2 million and \$1.8 million, respectively.

Contract balances

Contract assets are generated when contractual billing schedules differ from revenue recognition timing and the Company records a contract receivable when it has an unconditional right to consideration. As of December 31, 2021 and December 31, 2020, contract assets were \$0.6 million and \$0.1 million, respectively.

Contract liabilities are recorded in deferred revenue when cash payments are received or due in advance of the satisfaction of performance obligations. As of December 31, 2021 and December 31, 2020, contract liabilities were \$1.4 million and \$2.6 million, respectively. During the years ended December 31, 2021 and 2020, the Company recognized \$1.5 million and \$0.2 million, respectively, as revenue that had been included in deferred revenue at the beginning of the period.

ABSCI CORPORATION
NOTES TO CONSOLIDATED FINANCIAL STATEMENTS

Income taxes

Prior to the LLC Conversion, all income tax effects of the Company's operations were passed through to its members individually. Accordingly, the accompanying financial statements do not include any income tax effects for the Company prior to the LLC Conversion date, and the Company had no unrecognized income tax benefits, nor any interest or penalties associated with unrecognized income tax benefits, accrued or expensed as of and for the period from January 1, 2020 through October 15, 2020.

Following the LLC Conversion, the Company accounts for income taxes using the asset and liability method whereby deferred tax asset and liability accounts are determined based on differences between financial reporting and tax bases of assets and liabilities and are measured using the enacted tax rates and laws that are currently in effect. Valuation allowances are established where necessary to reduce deferred tax assets to the amounts expected to be realized.

The Company files income tax returns in the federal and various state tax jurisdictions.

The Company recognizes interest and penalties related to income tax matters as a component of tax expense. The Company did not record any interest or penalties related to income tax during the years ended December 31, 2021 and 2020.

Leases

At the inception of a contractual arrangement, the Company determines whether the contract contains a lease by assessing whether there is an identified asset and whether the contract conveys the right to control the use of the identified asset in exchange for consideration over a period of time. If both criteria are met, the Company records the associated lease liability and corresponding right-of-use asset upon commencement of the lease using the implicit rate or a discount rate based on a credit adjusted secured borrowing rate commensurate with the term of the lease.

The Company additionally evaluates leases at their inception to determine if they are to be accounted for as an operating lease or a finance lease. Operating lease assets represent a right to use an underlying asset for the lease term and operating lease liabilities represent an obligation to make lease payments arising from the lease. Operating lease obligations with a term greater than one year and their corresponding right-of-use assets are recognized on the consolidated balance sheet at the commencement date of the lease based on the present value of lease payments over the expected lease term. Certain adjustments to the right-of-use asset may be required for items such as initial direct costs paid or incentives received.

As the Company's operating leases do not typically provide an implicit rate, the Company utilizes the appropriate incremental borrowing rate, determined as the rate of interest that the Company would have to pay to borrow on a collateralized basis over a similar term and in a similar economic environment. The lease cost is recognized on a straight-line basis over the lease term and variable lease payments are recognized as operating expenses in the period in which the obligation for those payments is incurred. Variable lease payments primarily include common area maintenance, utilities, real estate taxes, insurance and other operating costs that are passed on from the lessor in proportion to the space leased by the Company.

The Company accounts for its finance leases by calculating an implied interest rate in the lease contract and recognizing a finance lease right of use asset and lease liability. The right of use asset is recognized in property and equipment, net, in the asset category in which the underlying asset relates. The lease liability is recognized in the consolidated balance sheet as a finance lease obligation.

Research and development expenses

Research and development expenses include the cost of materials, personnel-related costs (comprised of salaries, benefits and share-based compensation), consulting fees and allocated facility costs associated with both the Company's execution of technology development agreements and collaboration agreements, as well as ongoing development of the Integrated Drug Creation Platform and other technologies. Allocated facility costs include facility occupancy and information technology costs. The Company derives improvements to its platform from both types of activities. The Company has not historically tracked its research and development expenses on a partner-by-partner basis or on a program-by-program basis.

ABSCI CORPORATION
NOTES TO CONSOLIDATED FINANCIAL STATEMENTS

Stock-based compensation

Stock-based compensation includes compensation expense for incentive units, restricted stock, and stock option grants to employees and is measured on the grant date based on the fair value of the award and recognized on a straight-line basis over the requisite service period. The fair value of options to purchase common stock are measured using the Black-Scholes option-pricing model. The Company accounts for forfeitures as they occur. Prior to the LLC Conversion, the Company also granted phantom units which due to the presence of an exercise condition contingent upon a liquidity event, the Company determined that it was not probable that the phantom units would become exercisable.

Net Loss Per Share Attributable to Common Stockholders and Unitholders

Basic and diluted net loss per common share is calculated by dividing net loss by the weighted-average number of common shares outstanding during the period, without consideration for common stock equivalents. The Company was in a loss position for all periods presented, therefore basic net loss per share and diluted net loss per share are the same for all periods as the inclusion of all potential common securities outstanding would have been anti-dilutive.

Recently adopted accounting pronouncements

In August 2020, the FASB issued ASU No. 2020-06, Debt — Debt with Conversion and Other Options (Subtopic 470-20) and Derivatives and Hedging — Contracts in Entity's Own Equity (Subtopic 815-40) ("ASU No. 2020-06"). The new guidance eliminates two of the three models in ASC 470-20 that require separating embedded conversion features from convertible instruments. As a result, only conversion features accounted for under the substantial premium model in ASC 470-20 and those that require bifurcation in accordance with ASC 815-15 will be accounted for separately. For contracts in an entity's own equity, the new guidance eliminates some of the requirements in ASC 815-40 for equity classification. The guidance also addresses how convertible instruments are accounted for in the diluted earnings per share calculation and requires enhanced disclosures about the terms of convertible instruments and contracts in an entity's own equity. ASU 2020-06 is effective for the Company after December 15, 2023. Early adoption is permitted for fiscal periods beginning after December 15, 2020. The Company adopted this standard as of January 1, 2021, and the adoption of this standard did not have a material impact on its consolidated financial statements.

Recently issued accounting pronouncements, not yet adopted

In December 2019, the FASB issued amended guidance on the accounting and reporting of income taxes. The guidance is intended to simplify the accounting for income taxes by removing exceptions related to certain intraperiod tax allocations and deferred tax liabilities; clarifying guidance primarily related to evaluating the step-up tax basis for goodwill in a business combination; and reflecting enacted changes in tax laws or rates in the annual effective tax rate. The amended guidance is effective for fiscal years beginning after December 15, 2021, and interim periods within fiscal years beginning after December 15, 2022. Early adoption is permitted. The application of the amendments in the new guidance are to be applied on a retrospective basis, on a modified retrospective basis through a cumulative-effect adjustment to retained earnings or prospectively, depending on the amendment. The Company is currently evaluating the impact of the potential adoption of this guidance on its consolidated financial statements.

3. Acquisitions**Acquisition of Denovium**

In January 2021, the Company completed its acquisition of the common stock of Denovium, Inc. ("Denovium"), an artificial intelligence deep learning company focused on protein discovery and design. The Company is integrating Denovium's technology into its Integrated Drug Creation Platform. The acquisition has been accounted for as a business combination.

ABSCI CORPORATION
NOTES TO CONSOLIDATED FINANCIAL STATEMENTS

Pursuant to the terms of the agreement, the Company acquired all outstanding equity of Denovium for estimated total consideration of \$3.0 million, which consists of (in thousands):

Cash consideration	\$	2,670
Equity consideration		368
Total purchase consideration	\$	3,038

Cash consideration includes a \$2.5 million upfront payment and a payment for working capital adjustments.

In addition to the \$2.5 million paid upfront, \$2.5 million was placed into escrow subject to the continued service and/or employment of Denovium's co-founders over a one-year period. This amount is not included in the total consideration and is accounted for as compensation expense over the one-year service period, and is included in current restricted cash and accrued expenses on the consolidated balance sheet as of December 31, 2021.

The Company issued 1,010,296 shares of its common stock to the Denovium co-founders, of which 80% or 808,238 shares is subject to a Stock Restriction Agreement and vests monthly over a four-year term subject to a service condition. The fair value of these shares of \$1.5 million will be recognized as compensation cost over the four-year service period. The remaining 20%, or 202,058 shares, vested immediately and is included in the total consideration.

The following table summarizes the allocation of the purchase consideration to the fair value of the assets acquired and liabilities assumed (in thousands):

Cash and cash equivalents	\$	158
Accounts receivable		59
Other current assets		1
Intangible assets		2,507
Goodwill		1,055
TOTAL ASSETS		3,780
Accounts payable and accrued expenses		109
Deferred tax liability		633
TOTAL LIABILITIES		742
Fair value of net assets acquired and liabilities assumed	\$	3,038

Goodwill arising from the acquisition of \$1.1 million was attributable to the assembled workforce and expected synergies between the Integrated Drug Creation Platform and the Denovium Engine. The goodwill is not deductible for tax purposes. As of December 31, 2021, the Company had fully completed the analysis to assign fair values to all assets acquired and liabilities assumed.

The following table reflects the fair values of the identified intangible assets of Denovium and their respective weighted-average estimated amortization periods.

	Estimated Fair Value (in thousands)	Estimated Amortization Period (years)
Denovium Engine	\$ 2,507	5
	\$ 2,507	

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Acquisition of Totient

On June 4, 2021, the Company entered into a merger agreement with Totient, Inc. ("Totient"), under which, at the effective time, a wholly owned entity, or Merger Sub, merged with Totient, with Merger Sub surviving as a wholly owned subsidiary of the Company.

Pursuant to the merger agreement, at closing, Totient shareholders became eligible to receive an aggregate payment of \$55.0 million in cash, of which \$40.0 million in cash was paid at closing, subject to customary purchase price adjustments and escrow restrictions, and \$15.0 million in cash shall be paid upon the achievement of expected milestones, and 2,212,208 shares of the Company's common stock. The \$40.0 million cash consideration includes \$8.0 million of deferred cash payment, due in one year, which is held in escrow and included in current restricted cash and accrued expenses on the consolidated balance sheet as of December 31, 2021. All common stock issued is unrestricted, except for those shares granted to certain members of Totient's management, of which 25% of the shares issued were vested upon the closing of the transaction and the remaining 75% will vest over 2.5 years, in six month installments subject to their continuing service relationships with the Company.

The following table summarizes the preliminary purchase price (in thousands):

Estimated cash payment to Totient stockholders	\$	35,368 (i)
Estimated stock payment to Totient stockholders		13,891 (ii)
Estimated cash payment contingent on achieving specified milestone		12,000 (iii)
Total	\$	61,259

- (i) Pursuant to the merger agreement, the initial purchase price includes \$40.0 million of cash adjusted for the agreed upon working capital value which includes the payment of Totient's transaction and other expenses as well as payments to Totient stock option holders for the cancellation and extinguishment of Totient stock options.
- (ii) Pursuant to the merger agreement, 2,212,208 shares of common stock issued in payment to Totient stockholders with 1,282,747 vesting immediately and therefore included in the purchase price consideration. The remaining 929,461 shares will vest ratably, every six months over 5 equal installments of a 2.5 years service period and will be expensed over the service period. These shares are subject to a stock restriction agreement that requires certain key Totient executives to maintain a continued service relationship throughout the service period.
- (iii) Represents the estimated fair value of the contingent consideration that is payable upon the achievement of the milestone of (i) Absci's entering into one or more definitive commercialization agreements, or technology partnering or licensing agreements, or collaboration agreements, with third parties using, or related to, Totient's technology, a target discovered or identified by using Totient's technology, or a peptide, protein complex or amino acid sequence assembled using Totient's technology, including any Totient product or enabled product, pursuant to which (a) Absci is entitled to receive at least \$2.0 million in aggregate upfront cash or equity payments (provided, that the minimum upfront payment under any individual agreement shall be \$1.0 million and (b) an option for a license or a license or similar right is granted to the third party; or (ii) first commercial sale of a Totient product or enabled product. The fair value estimate is based on a probability-weighted approach and will be updated as we obtain more information. The \$12.0 million of contingent consideration is included in Other long-term liabilities on the consolidated balance sheet as of December 31, 2021.

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The following table summarizes the allocation of the estimated consideration to the identifiable assets and liabilities acquired by us as of June 4, 2021 (in thousands).

Current assets:	
Cash and cash equivalents	\$ 1,751
Prepaid expenses and other current assets	189
Total current assets	1,940
Operating lease right-of-use assets	266
Property and equipment, net	118
Goodwill	20,280 (i)
Intangible assets	54,600 (ii)
Other long-term assets	23
TOTAL ASSETS	77,227
Current liabilities:	
Accounts payable	78
Accrued expenses	6,588
Operating lease obligations, current	122
Total current liabilities	6,788
Operating lease obligations - net of current portion	144
Deferred tax, net	9,012
Other long-term liabilities	24
TOTAL LIABILITIES	15,968
Fair value of net assets acquired and liabilities assumed	\$ 61,259

- (i) Goodwill represents the excess of the estimated purchase price over the estimated fair value of Totient's identifiable assets acquired and liabilities assumed. Goodwill also reflects the requirement to record deferred tax balances for the difference between the assigned values and the tax bases of assets acquired and liabilities assumed in the business combination. Goodwill is not deductible for tax purposes.
- (ii) The estimated fair value of and useful lives of the intangible assets acquired is as follows:

	Estimated fair value (in thousands) ⁽ⁱ⁾	Estimated useful lives (in years) ⁽ⁱⁱ⁾
Monoclonal antibody library	\$ 46,300	20
Developed software platform and the related methods patents	8,300	15
Total	\$ 54,600	

- (i) The estimated fair values were categorized within Level 3 of the fair value hierarchy and were determined using an income-based approach, which was based on the present value of the future estimated after-tax cash flows attributable to each intangible asset. The significant assumptions inherent in the development of the values, from the perspective of a market participant, include the amount and timing of projected future cash flows (including revenue, regulatory success and profitability), and the discount rate selected to measure the risks inherent in the future cash flows, which was between 18%-23%. These fair values are based on the most recent estimate of the fair value available and will be updated as we obtain more information.
- (ii) The estimate of the useful life was based on an analysis of the expected use of the asset by us, any legal, regulatory or contractual provisions that may limit the useful life, the effects of obsolescence, competition and other relevant economic factors, and consideration of the expected cash flows used to measure the fair value of the intangible asset.

Until finalization, the Company's analysis to assign fair values to all assets acquired and liabilities assumed is preliminary. The remaining items include the finalization of working capital adjustments, income taxes and contingent consideration liability, and the resulting impact to goodwill. The preliminary purchase price allocation will be subject to further refinement as the Company continues to refine its estimates and assumptions based on information available at the acquisition date. These refinements may result in material changes to the estimated fair value of assets acquired and liabilities assumed. The purchase price allocation adjustments can be made throughout the end of the Company's measurement period, which is not to exceed one year from the acquisition date. The effect of measurement period adjustments to the estimated amounts

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will be reflected on a prospective basis. During the year ended December 31, 2021, the Company recorded adjustments to goodwill of \$1.6 million primarily related to deferred taxes.

Acquisition costs of \$0.9 million were included in the consolidated statement of operations and comprehensive loss as selling, general and administrative. The Company's results of operations for the year ended December 31, 2021 include the operating results of Totient since the date of acquisition, within the consolidated statement of operations and comprehensive loss.

The unaudited financial information in the table below summarizes the combined results of operations of the Company and Totient on a pro forma basis, as though the companies had been combined as of January 1, 2020. These pro forma results were based on estimates and assumptions, which we believe are reasonable. The pro forma financial information is presented for informational purposes only and is not indicative of the results of operations that would have been achieved if the acquisition had taken place at the beginning of our fiscal year 2020. The pro forma financial information includes adjustments to share-based compensation expense, amortization for acquired intangible assets, interest expense, and transaction costs, and related tax effects.

The pro forma financial information for the years ended December 31, 2021 and 2020 combines our results, which include the results of Totient subsequent to June 4, 2021, and the historical results for Totient for the periods prior to acquisition. The pro forma results for the year ended December 31, 2020 also include material nonrecurring adjustments for \$0.9 million of acquisition related costs incurred and \$1.6 million of costs related to the acceleration of stock appreciation right ("SAR") and Employee Stock Ownership Plan awards due to preexisting change in control provisions.

The following table summarizes the pro forma financial information (in thousands):

	For the Years Ended December 31,	
	2021	2020
Net loss applicable to common stockholders and unitholders	\$ (113,119)	\$ (60,701)

4. Property and equipment, net

Property and equipment as of December 31, 2021 and 2020 consists of the following (in thousands):

	December 31,	December 31,
	2021	2020
Construction in progress	\$ 933	\$ —
Lab Equipment	27,776	8,578
Software	311	188
Furniture, Fixtures and Other	4,804	472
Leasehold Improvements	24,671	2,016
Total Cost	58,495	11,254
Less accumulated depreciation and amortization	(6,381)	(2,345)
Property and equipment, net	\$ 52,114	\$ 8,909

Depreciation expense was \$4.5 million and \$1.1 million for the years ended December 31, 2021 and 2020, respectively.

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5. Goodwill and Intangibles, net

The roll forward of goodwill was as follows (in thousands):

Balance, December 31, 2020	\$	—
Goodwill acquired related to acquisition of Denovium		1,055
Goodwill acquired related to acquisition of Totient		20,280
Balance, December 31, 2021	\$	21,335

The Company performed its annual goodwill impairment test on October 1, 2021 utilizing the qualitative assessment allowable under ASC 350 Intangibles – Goodwill and Other to determine whether it is more likely than not that the fair value of a reporting unit is less than its carrying value. This qualitative assessment may include, but is not limited to, reviewing factors such as macroeconomic considerations, industry and market trends, cost factors, entity-specific financial performance and other events, such as changes in the Company's management, strategy and primary user base. If based on a review of qualitative factors, it is more likely than not that the fair value of a reporting unit is less than its carrying value, a quantitative impairment test is performed by comparing the fair value of a reporting unit with its carrying amount. Based on our review of the qualitative factors, the Company determined that a quantitative impairment analysis was not necessary. Based on the results of the Company's annual impairment test, we concluded that goodwill was not impaired.

There were no impairment losses netted against the goodwill balance at any date.

Intangible assets consisted of the following:

	December 31, 2021		
	Gross Assets	Accumulated Amortization	Net
Denovium Engine	2,507	(473)	2,034
Monoclonal antibody library	46,300	(1,325)	44,975
Developed software platform and the related methods patents	8,300	(317)	7,983
Intangible assets, net	\$ 57,107	\$ (2,115)	\$ 54,992

There was no balance of intangible assets, or related amortization expense, for the year ended December 31, 2020. Amortization expense related to intangible assets was \$2.1 million for the year ended December 31, 2021 and is reflected within depreciation and amortization expense on the consolidated statement of operations and comprehensive loss.

At December 31, 2021, amortization expense on intangible assets is estimated to be as follows for each of the next five years:

Years Ending December 31:		
2022	\$	3,370
2023		3,370
2024		3,370
2025		3,370
2026		2,897
Thereafter		38,615
	\$	54,992

6. Long-term debt and other borrowings

In June 2018, the Company signed a Loan and Security Agreement ("LSA") with Bridge Bank ("Bank"), a division of Western Alliance Bank. The purpose of the LSA was to provide long-term financing to the

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Company through term loans available for borrowing in three tranches up to a maximum of \$3.0 million through December 2019 upon the attainment of certain milestones as delineated in the LSA. The first tranche of \$0.3 million was borrowed in 2018. The Company was obligated to make interest-only payments until the amortization date of June 28, 2019 and after that date to make principal and interest payments. Interest on outstanding borrowings under the LSA is charged at a rate of 6% per annum. This loan was scheduled to originally mature in May 2022, at which time all outstanding principal and accrued and unpaid interest is due and payable. This loan is secured by substantially all tangible assets of the Company; intellectual property is excluded from the secured collateral but is subject to a negative pledge in favor of the Bank.

In March 2019, the Company entered into a first amendment to the LSA that increased total borrowings to \$3.0 million and added a financial liquidity covenant. The amendment was accounted for as a debt modification and no gain or loss was recognized in the Company's financial statements.

In May 2020, the Company entered into a second amendment to the LSA that increased total borrowings to \$5.0 million. The amortization date was extended to May 1, 2021 except, if a certain revenue and new contract bookings milestone is achieved, the amortization date is extended to November 1, 2021. The maturity date of the loan was extended to May 11, 2024. The amendment was accounted for as a debt modification and no gain or loss was recognized in the Company's financial statements.

In August 2020, the Company entered into a third amendment to the LSA that waived an event of default due to failure to meet a financial covenant. The amendment also expanded the definition of permitted indebtedness to include Payroll Protection Plan ("PPP") loans, and modified financial and restrictive covenants.

In February 2021, the Company entered into a fourth amendment to the LSA. This amendment gave effect to the Company's conversion to a corporation and its purchase of Denovium, including permitting certain cash and equity consideration linked to continued employment and service requirements, and adding Denovium as co-borrower to the LSA.

In June 2021, the Company entered into a fifth amendment to the LSA. This amendment modified the term loan's maturity date to June 16, 2023.

The Company may prepay all, but not less than all, of the term loans at any time upon 10 days written notice, with a prepayment premium beginning at 1.0% initially and declining to 0% after May 11, 2022. The Company is also required to pay a final payment equal to 3% of the principal amount funded, which is payable upon the earliest to occur of (i) the maturity date, (ii) acceleration and (iii) the prepayment of the loan. As part of the second amendment, the Company paid a one-time amendment fee and a pro-rated final payment in connection with the amendment. The final payment represents an additional principal payment and is accounted for as a debt discount that will be accreted through the maturity date of the loan based on the effective interest method.

In connection with entering into the LSA in June 2018, the Company entered into an agreement whereby the Company is required to pay a fee of 3.5% of the aggregate amount of term loans funded by Bank under the LSA within three business days of a sale or other disposition of substantially all of the Company's assets, a merger or consolidation, a change in control or an initial public offering. Concurrent with the second amendment, the Company and the Bank entered into an amended agreement which extended the term of the fee to May 11, 2030. This fee became payable upon completion of the Company's IPO on July 26, 2021 and was paid during the year ended December 31, 2021.

Under the LSA (as amended), the Company is subject to a financial covenant. The covenant, as amended, requires that the Company maintain at all times either (a) unrestricted cash and cash equivalents in an amount equal to or greater than the Company's monthly cash burn or (b) trailing 6-month revenue of at least 80% of the Company's revenue projections (over the same 6-month period) determined using the lender's measurement method. As of December 31, 2021, the Company was in compliance with this financial covenant.

As of December 31, 2021, the outstanding principal balance under the LSA was \$3.4 million.

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Future maturities of the amounts outstanding under the LSA as of December 31, 2021 are as follows (in thousands):

Years ending December 31:	
2022	\$ 2,400
2023	1,150
2024	—
2025	—
2026	—
Total principal, including final fee	3,550
Less: amount representing debt discounts and issuance costs	(26)
Total long-term debt	<u>\$ 3,524</u>

The carrying amount of the long-term debt approximates fair value.

In May 2020, the Company received a PPP loan pursuant to the Coronavirus Aid, Relief, and Economic Security Act (“CARES Act”) in the amount of \$0.6 million. The loan had a two-year term and bore a fixed interest rate of 1%. Under the terms of the CARES Act, the loan was eligible to be forgiven, in part or whole, if the proceeds were used to retain and pay employees and for other qualifying expenditures. In February 2021, the Company received notification from the Small Business Administration that they approved the forgiveness of the full \$0.6 million PPP loan and a gain on extinguishment in this amount was recorded as other income in the consolidated statement of operations and comprehensive loss.

In March 2021, the Company entered into a Note Purchase Agreement to issue and sell \$125.0 million convertible promissory notes (the “2021 Notes”) to certain investors. The 2021 Notes accrued interest at 6% per annum. Due to certain embedded features within the 2021 Notes, the Company elected to account for these notes, including all of their embedded features, under the fair value option. The Company has elected to recognize interest expense based on the 6% per annum coupon rate of the Notes, which was included in other long-term liabilities on the consolidated balance sheet through the date of the IPO. Based on the terms of the agreement, the 2021 Notes converted at an 18% discount from the offering price to the public in the IPO. Prior to the conversion, the Company recorded a final fair value adjustment of the 2021 Notes using the Company’s common stock price at the IPO. Immediately prior to the completion of the IPO, all outstanding principal under the 2021 Notes and the related accrued interest expense were converted into an aggregate of 9,732,593 shares of our common stock based on an initial public offering price of \$16.00 per share.

7. Leases

In December 2020, the Company entered into a lease agreement for a new 61,607 square foot facility in Vancouver, Washington. The lease term commenced in December 2020 and initially was set to end in April 2026, with the Company’s option to renew through April 2031. The lease agreement provides for annual base rent of approximately \$1.2 million in the first year of the lease term which increases on an annual basis to approximately \$1.5 million in the final year of the initial lease term. As part of the lease agreement, the lessor provided tenant incentives in the amount of \$2.5 million.

In March 2021, the Company entered into an amendment to its lease agreement with respect to its new facility currently under construction. The amendment made certain changes to the original lease, including (i) the addition of 16,367 square feet of office and laboratory space at the same site (“Expansion Premises”) and (ii) an extension of the expiration date of the original lease by 24 months following the rent commencement date of April 1, 2021. The amendment provides for annual base rent for the Expansion Premises of approximately \$0.3 million in the first year of the lease term, which increases on an annual basis to approximately \$0.4 million in the final year of the lease term. The amendment also provides for additional tenant incentives in the amount of \$0.7 million. Additionally, with the execution of this amendment, the Company obtained a one-time option to terminate the lease for the original premises and Expansion Premises after five years. All other terms of the lease amendment for the Expansion Premises are consistent with the

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existing new facility lease agreement. Under the amendment, the Company retains its original option to renew the lease for an additional five-year term, at then-current market rates.

In conjunction with the new facility lease and lease amendment, the Company entered into an agreement with a construction company for purposes of building out the facility and customizations for a total estimated cost of approximately \$24.5 million.

The Company moved into its new facility in May 2021 and has completed its move out of its prior office and laboratory facility, for which the Company's lease continues through August 2024. During the fourth quarter of 2021, the Company determined it would no longer utilize the prior office and facility and is currently evaluating different options with the lessor. As a result, during the year ended December 31, 2021, the Company recognized \$0.6 million in impairment expense of certain operating lease right-of-use assets and \$0.3 million in impairment of leasehold improvements.

For each of the Company's facility lease agreements, the Company is responsible for taxes, insurance and maintenance costs.

The Company leases certain laboratory equipment under finance leases. Property and equipment includes approximately \$8.8 million and \$4.3 million of assets under finance leases as of December 31, 2021 and 2020, respectively. Accumulated depreciation related to assets under finance leases was approximately \$1.8 million and \$0.9 million as of December 31, 2021 and 2020, respectively.

The components of lease expense were as follows (in thousands):

	For the Years Ended December 31,	
	2021	2020
Operating lease cost	1,780	526
Variable lease cost	425	166
Short-term lease cost	155	18
	<u>\$ 2,360</u>	<u>\$ 710</u>

Future undiscounted lease payments for the Company's lease liabilities as of December 31, 2021 are as follows (in thousands):

	Operating leases	Finance leases
2022	\$ 2,294	\$ 3,127
2023	2,285	2,477
2024	2,135	968
2025	1,873	86
2026	1,929	—
Thereafter	2,821	—
Total future lease payments	<u>13,337</u>	<u>6,658</u>
Less: Imputed interest	(2,832)	(642)
Less: Lease incentive	(34)	—
Present value of lease liabilities	<u>\$ 10,471</u>	<u>\$ 6,016</u>

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Additional information related to the Company's leases as of December 31, 2021 and 2020 is as follows:

	December 31, 2021	December 31, 2020
Weighted average remaining lease term (in years)		
Operating leases	6	4.9
Finance leases	2.2	3.0
Weighted average discount rate		
Operating leases	8 %	8 %
Finance leases	7 %	7 %

8. Commitments and contingencies

As of December 31, 2021, future lease payments are secured by irrevocable standby letters of credit totaling \$1.8 million. The irrevocable standby letters of credit are expected to be pledged for the full lease terms which extend through 2024 and 2028 for each of the Company's facility leases.

The Company is not currently party to any material claims or legal proceedings. At each reporting date, the Company evaluates whether or not a potential loss or a potential range of loss is both probable and reasonably estimable.

9. Redeemable convertible preferred stock

Redeemable Convertible Preferred Stock

Prior to its conversion to common stock in connection with the Company's IPO, the convertible preferred stock was classified as temporary equity on the accompanying consolidated balance sheets since the shares contained certain redemption features that were not solely within the control of the Company. The Company had not previously accreted the convertible preferred stock to its redemption value since the shares were not redeemable and redemption was not deemed to be probable.

The following table summarizes the authorized, issued, and outstanding redeemable convertible preferred stock of the Company as of December 31, 2020 (in thousands, except share and per share data):

	December 31, 2020				
	Shares Authorized	Shares Issued and Outstanding	Issuance Price per Share	Net Proceeds	Liquidation Preference
Convertible Preferred Stock:					
Junior	1,573,547	1,573,547	\$ 1.00	\$ 1,462	\$ 1,989
Series A-1	2,793,007	2,700,000	1.00	2,700	3,453
Series A-2	1,500,000	1,500,000	1.00	1,500	1,885
Series B	1,372,549	1,372,549	1.53	2,065	2,526
Series C	1,760,252	1,760,252	6.95	11,979	14,110
Series D	1,532,176	1,532,176	9.79	14,951	15,852
Series E	3,313,519	3,313,519	19.62	64,709	163,280
Total convertible preferred stock	13,845,050	13,752,043		\$ 99,366	\$ 203,095

Immediately prior to the completion of the IPO, all shares of redeemable convertible preferred stock then outstanding were converted into 46,266,256 shares of common stock.

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Preferred stock warrants

As part of the Class A-1 funding in 2016, a warrant for the purchase of 93,007 Class A-1 Preferred Units at an exercise price of \$1 per unit and exercisable at any time before April 2026 was granted to an investor. This warrant was exchanged for a warrant to purchase Class A-1 preferred stock at equivalent terms in October 2020. Because the underlying shares are redeemable for conditions outside of the Company's control, the warrant was classified within other long-term liabilities on the consolidated balance sheets and recognized at fair value at each reporting period with the change in fair value recorded in other expense on the consolidated statement of operations and comprehensive loss prior to the IPO. The balance was included in other long-term liabilities on the consolidated balance sheet prior to the IPO. The warrant was converted into a warrant to purchase 307,211 shares of the Company's common stock upon the closing of the IPO. The warrant holder fully exercised the warrant to purchase common stock for cash during the year ended December 31, 2021 following the IPO.

10. Stock-based compensation

Prior to the LLC Conversion, the Company granted incentive units and phantom units under its 2015 Equity-Based Incentive Plan ("2015 Plan") to employees and non-employee service providers. In October 2020, in conjunction with the LLC Conversion, the Company adopted the 2020 Stock Option and Grant Plan ("2020 Plan") under which it granted stock options, restricted shares, and SARs as replacement awards for outstanding awards under the 2015 Plan and as new awards to incentivize employee service. Upon completion of the IPO, the Company adopted the 2021 Stock Option and Incentive Plan ("2021 Plan").

Total stock-based compensation expense related to all of the Company's stock-based awards was recorded in the consolidated statements of operations and comprehensive loss as follows (in thousands):

	For the Years Ended December 31,	
	2021	2020
Research and development	4,637	188
Selling, general and administrative	5,971	232
Total stock-based compensation expense	\$ 10,608	\$ 420

Restricted Stock

Upon the LLC Conversion, the outstanding 3,329,707 incentive units were exchanged for 2,671,907 restricted shares of common stock granted under the 2020 Plan based on a ratio determined by their threshold amount and the fair value of the restricted stock. The exchange was accounted for as a probable-to-probable modification (Type I modification), and the fair value of the restricted shares did not exceed the fair value of the incentive units on the date of exchange. Accordingly, the restricted shares are measured at the grant date fair value of the incentive units. Shares of restricted stock that do not vest are subject to our right of repurchase or forfeiture. In connection with its acquisitions of Denovium and Totient, the Company issued restricted shares of common stock that vest over time subject to continued service.

Activity for the restricted shares is shown below:

	Number of shares
Unvested as of December 31, 2020	1,111,642
Granted	2,441,129
Vested	(967,101)
Unvested as of December 31, 2021	2,585,670

As of December 31, 2021, there was \$11.5 million of unrecognized compensation expense related to the restricted shares expected to be recognized over a remaining weighted-average period of 2.6 years.

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Phantom Units

Phantom units generally vested at 25% after one-year with the remainder vesting quarterly over the following three-year period. Upon the occurrence of a liquidity event, 100% of phantom units would vest. A liquidity event for purposes of the phantom units meant either of the following events: (i) a person or persons acting as a group (other than a person or group that currently owns more than 50% of the voting power of the Company) acquires ownership of common units that, together with the common units held by such person or group, constitutes more than 50% of the voting power of all common units of the Company or (ii) a person or persons acting as a group acquires (or has acquired during the 12-month period ending on the date of the most recent acquisition by such person or persons) assets from the Company that have a total gross fair market value of more than 60% of the total gross fair market value of all of the assets of the Company immediately before such acquisition or acquisitions. Upon a liquidity event, the phantom unit holders were entitled to a payment equal to the fair value of common units less a strike price. The payment was to be made in the same form of consideration as received by other unit holders as a result of the liquidity event. Other than this payment upon a liquidity event, phantom units provided no economic value and they provided no voting rights. Due to the presence of an exercise condition that was contingent upon a liquidity event, the Company determined that it was not probable that the phantom units would become exercisable and no compensation expense has been recognized.

Activity for the phantom units is shown below:

	Number of Units	Weighted Average Strike Price
Unvested as of December 31, 2020	1,202,435	\$ 0.47
Granted	—	—
Vested	—	—
Exchange of Phantom Units for Cash Payment Rights, SARs, and/or Stock Options	(1,202,435)	\$ 0.47
Unvested as of December 31, 2021	—	\$ —

Following the LLC Conversion, the holders of phantom units were offered to exchange their awards for a combination of cash payment rights, SARs and/or stock options granted under the 2020 Plan. The exchange was accounted for as short-term inducement, with no accounting recognition prior to offer expiration in January 2021 as the exchange offer participants were able to modify their election through the expiration date. In January 2021, all participants accepted the offer. The exercisability of the SARs is contingent upon a liquidity event that is not probable of occurrence; accordingly, no compensation expense has been recognized for these awards. The stock options vest based on a service condition, generally over a 4-year term beginning with the vesting commencement date of the exchanged phantom units.

The aggregate intrinsic value of the 394,736 SARs outstanding as of December 31, 2021 is \$3.2 million based on the estimated fair value of common stock of \$8.20.

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Stock Options

Stock options generally vest 25% after one-year from the date of the grant with the remainder vesting monthly over the following three-year period. Certain options have alternative vesting schedules including ratably over 2-4 years and immediate vesting. The Company recognizes forfeitures as they occur, and uses the straight-line expense recognition method. Activity for stock options is shown below:

	Number of Options	Weighted Average Exercise Price per Share	Weighted Average Remaining Contractual Term (in years)	Aggregate Intrinsic Value (in thousands \$)
Outstanding at December 31, 2020	1,706,339	\$ 1.10	9.8	\$ 780
Granted	7,386,667	4.01		—
Exercised	(153,416)	1.10		
Canceled/ Forfeited	(1,182,189)	2.14		—
Outstanding at December 31, 2021	7,757,401	3.72	9.2	40,939
Exercisable at December 31, 2021	1,675,979	\$ 1.13	9.0	\$ 11,851
Vested and expected to vest as of December 31, 2021	7,757,401		9.2	\$ 40,939

The aggregate intrinsic value was calculated based on the estimated fair value of common stock of \$8.20 per share.

The weighted-average grant date fair value of stock options granted during the years ended December 31, 2021 and 2020 was \$4.28 and \$0.83, respectively. The fair value of options vested during the years ended December 31, 2021 and 2020 was \$2.4 million and \$0.1 million, respectively. The intrinsic value of options exercised, which represents the value of the Company's common stock at the time of exercise in excess of the exercise price, was \$1.4 million during the year ended December 31, 2021. As of December 31, 2021, total unrecognized stock-based compensation related to stock options was \$24.6 million, which the Company expects to recognize over a remaining weighted average period of 3.4 years.

Under the 2020 Plan and 2021 Plan, the Company has also granted a limited quantity of cash-settled stock appreciation rights to certain international-based employees and consultants. As of December 31, 2021, 100,881 of these stock appreciation rights were outstanding with a weighted average exercise price of \$4.97. As of December 31, 2021, the Company had recognized a liability of \$0.1 million classified within other long-term liabilities on the consolidated balance sheets and total unrecognized stock-based compensation related to these cash-settled stock appreciation rights was \$0.7 million, which the Company expects to recognize over a remaining weighted average period of 3.5 years.

Determination of Fair Value

The estimated grant-date fair value of all the Company's stock options was calculated using the Black-Scholes option pricing model, based on the following assumptions:

	For the Years Ended December 31,	
	2021	2020
Expected term (in years)	3.5-6.1	2.0-6.0
Volatility	45%-47%	45%-85%
Risk-free interest rate	0.3%-1.5%	0.1%-1.6%
Dividend Yield	—%	—%

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NOTES TO CONSOLIDATED FINANCIAL STATEMENTS

The fair value of each stock option was determined by the Company using the methods and assumptions discussed below. Each of these inputs is subjective and generally requires significant judgment and estimation by management.

Expected Term—The expected term represents the period that stock-based awards are expected to be outstanding. The Company's stock options do not have a contractual term. However, there is a constructive maturity of each stock option based on the expected exit or liquidity scenarios for the Company. The Company's historical option exercise data is limited and did not provide a reasonable basis upon which to estimate an expected term. The expected term for options was derived by using the simplified method which uses the midpoint between the average vesting term and the contractual expiration period of the stock-based award.

Expected Volatility—As we do not have sufficient trading history for our common stock, the expected volatility was derived from the historical stock volatilities of comparable peer public companies within the Company's industry. These companies are considered to be comparable to the Company's business over a period equivalent to the expected term of the stock-based awards.

Risk-Free Interest Rate—The risk-free interest rate is based on the U.S. Treasury yield curve in effect at the date of grant for zero-coupon U.S. Treasury notes with maturities approximately equal to the stock options' expected term.

Expected Dividend Rate—The expected dividend is zero as the Company has not paid nor does it anticipate paying any dividends on its common stock underlying its stock options in the foreseeable future.

The Company estimated the fair value of its common stock underlying the stock-based awards when performing fair value calculations using the Black-Scholes option pricing model. Because the Company's common stock was not publicly traded during the periods prior to the IPO, the fair value of its common stock underlying the stock-based awards was determined on each grant date by management and approved by the Board, considering the most recently available third-party valuation of the Company's common stock for those periods. For all grants subsequent to the IPO, the fair value of common stock was determined by using the closing price per share of common stock as reported on the Nasdaq Global Select Market. All options to purchase shares of the Company's common stock are intended to be granted with an exercise price per share no less than the fair value per share of the common stock underlying those options on the date of grant, based on the information known to the Company on the date of grant.

The Company's determination of the value of its common stock was performed using methodologies, approaches and assumptions consistent with the American Institute of Certified Public Accountants ("AICPA"), Audit and Accounting Practice Aid Series: Valuation of Privately Held Company Equity Securities Issued as Compensation ("AICPA Practice Aid"). In addition, the Board considered various objective and subjective factors to determine the fair value of the common stock, including:

- valuations of the Company's common stock performed by third-party valuation specialists;
- the anticipated capital structure that will directly impact the value of the currently outstanding securities;
- the Company's results of operations and financial position;
- the composition of, and changes to, the management team and board of directors;
- the lack of liquidity of the Company's common stock as a private company;
- the Company's stage of development and business strategy and the material risks related to its business and industry;
- external market conditions affecting the life sciences and biotechnology industry sectors;
- U.S. and global economic conditions;
- the likelihood of achieving a liquidity event for the holders of the Company's common stock, given prevailing market conditions; and

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NOTES TO CONSOLIDATED FINANCIAL STATEMENTS

- the market value and volatility of comparable companies.

The AICPA Practice Aid prescribes several valuation approaches for setting the value of an enterprise, such as the cost, income and market approaches, and various methodologies for allocating the value of an enterprise to its common stock. The cost approach establishes the value of an enterprise based on the cost of reproducing or replacing the property less depreciation and functional or economic obsolescence, if present. The income approach establishes the value of an enterprise based on the present value of future cash flows that are reasonably reflective of our future operations, discounting to the present value with an appropriate risk adjusted discount rate or capitalization rate. The market approach is based on the assumption that the value of an asset is equal to the value of a substitute asset with the same characteristics.

In accordance with the AICPA Practice Aid, the Company considered the various methods for allocating the enterprise value to determine the fair value of its common stock at the valuation date. Under the option pricing method (“OPM”), shares are valued by creating a series of call options with exercise prices based on the liquidation preferences and conversion terms of each equity class. The value of the common stock is inferred by analyzing these options. The probability weighted expected return method (“PWERM”) is a scenario-based analysis that estimates the value per share based on the probability-weighted present value of expected future investment returns, considering each of the possible outcomes available to us, as well as the economic and control rights of each share class.

Starting in 2020 and until the IPO in July 2021, the Company used a hybrid method to determine the estimated fair value of its common stock, which included both the OPM and PWERM models.

In June 2021, the Company increased the number of shares of common stock reserved for future issuance under the 2020 Plan to 11,980,029. In July 2021, upon the completion of IPO, the Company adopted the 2021 Plan. The number of shares of common stock initially reserved for future issuance under the 2021 Plan is 8,133,750. As of December 31, 2021, 7,473,403 shares were available for issuance under the 2021 Plan.

Employee Stock Purchase Plan

In July 2021, the Company's board of directors adopted the 2021 Employee Stock Purchase Plan (“2021 ESPP”), which was subsequently approved by the Company's stockholders and became effective in connection with the IPO. A total of 903,750 shares of common stock were reserved for issuance under the 2021 ESPP. The first offering period has not commenced as of December 31, 2021 and there is no stock-based compensation related to the 2021 ESPP for the period ended December 31, 2021.

11. Fair Value Measurements

US GAAP defines fair value, establishes a consistent framework for measuring fair value and expands disclosure for each major asset and liability category measured at fair value on either a recurring or nonrecurring basis. Fair value is defined as an exit price, representing the amount that would be received to sell an asset or paid to transfer a liability in an orderly transaction between market participants. As such, fair value is a market-based measurement that should be determined based on assumptions that market participants would use in pricing an asset or liability. As a basis for considering such assumptions, the accounting guidance establishes a three-tier fair value hierarchy, which prioritizes the inputs used in measuring fair value as follows:

Level 1: Observable inputs such as quoted prices in active markets.

Level 2: Inputs, other than the quoted prices in active markets, that are observable either directly or indirectly.

Level 3: Unobservable inputs in which there is little or no market data, which require the reporting entity to develop its own assumptions.

When quoted market prices are available in active markets, the fair value of assets and liabilities is estimated within Level 1 of the valuation hierarchy.

If quoted prices are not available, then fair values are estimated by using pricing models, quoted prices of assets and liabilities with similar characteristics, or discounted cash flows, within Level 2 of the valuation

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hierarchy. In cases where Level 1 or Level 2 inputs are not available, the fair values are estimated by using inputs within Level 3 of the hierarchy.

As part of the Class A-1 funding in 2016, a warrant for the purchase of 93,007 Class A-1 Preferred Units at an exercise price of \$1 per unit and exercisable at any time before April 2026 was granted to an investor. This warrant was exchanged for a warrant to purchase Series A-1 preferred stock at equivalent terms in October 2020 (Note 9: Redeemable convertible preferred stock). Because the underlying shares are redeemable for conditions outside of the Company's control, the warrant was classified within other long-term liabilities on the consolidated balance sheets and recognized at fair value at each reporting period with the change in fair value recorded in other expense on the consolidated statement of operations and comprehensive loss through the date of the IPO. The value for the warrant was based on significant inputs not observable in the market, which represents a Level 3 measurement within the fair value hierarchy.

During 2018, the Company entered into an agreement whereby the Company is required to pay a fee of 3.5% of the aggregate amount of term loans funded by Bank under the LSA within three business days of a sale or other disposition of substantially all of the Company's assets, a merger or consolidation, a change in control or an initial public offering (Note 6: Long-term debt and other borrowings). This agreement has been accounted for as a freestanding derivative under ASC 815, Derivatives and is remeasured to its fair value at the end of each reporting period. The value for the fee ("Fee in lieu of warrant") is based on significant inputs not observable in the market, which represents a Level 3 measurement within the fair value hierarchy. Except for short-term investments, the 2021 Notes and the warrant, none of the Company's assets or liabilities are recorded at fair value on a recurring basis.

The following table summarizes the Company's assets and liabilities measured at fair value on a recurring basis as of December 31, 2021 and December 31, 2020 (in thousands):

	December 31, 2021			
	Level 1	Level 2	Level 3	Total
Assets:				
Equity securities without RDFV	\$ —	\$ —	\$ 1,200	\$ 1,200
Total assets	\$ —	\$ —	\$ 1,200	\$ 1,200
Liabilities:				
Contingent consideration	\$ —	\$ —	\$ 12,000	\$ 12,000
Total liabilities	\$ —	\$ —	\$ 12,000	\$ 12,000

	December 31, 2020			
	Level 1	Level 2	Level 3	Total
Liabilities:				
Fee in-lieu of warrant	\$ —	\$ —	\$ 22	\$ 22
Preferred stock warrant liability	—	—	698	698
Total liabilities	\$ —	\$ —	\$ 720	\$ 720

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The following table provides reconciliation for all liabilities measured at fair value using significant unobservable inputs (Level 3) for the year ended December 31, 2021 (in thousands):

	Fee in-lieu of warrant	Convertible promissory notes	Preferred stock warrant liability	Contingent consideration	Total liabilities
Balance at December 31, 2020	\$ 22	\$ —	\$ 698	\$ —	\$ 720
Fair value at issuance	—	125,000	—	12,000	137,000
Change in fair value during 2021	174	30,722	4,124	—	35,020
Conversion or payment at IPO	(196)	(155,722)	(4,822)	—	(160,740)
Balance at December 31, 2021	\$ —	\$ —	\$ —	\$ 12,000	\$ 12,000

Based on the probability of a liquidity event, the Company primarily utilized the expected IPO price to estimate the fair value of the preferred stock warrant liability through the IPO date. The warrant was converted into a warrant to purchase 307,211 shares of the Company's common stock upon the closing of the IPO and was exercised to purchase common stock during the period ended December 31, 2021 following the IPO.

The fee-in-lieu of warrant liability is measured based on management's estimate of the probability of a liquidity event, the estimated timing thereof, and a discount rate. The fee-in-lieu of warrant was paid during the period ended December 31, 2021 following the IPO.

The Company measured the fair value of the 2021 Notes at issuance using the transaction price. For the period from the issuance date through the IPO date, the Company increased the estimated fair value based on the increased probability of an IPO. The 2021 Notes converted to common stock during the period ended December 31, 2021 immediately prior to the IPO.

The contingent consideration liability is related to the Totient acquisition and is included in Other long-term liabilities on the consolidated balance sheet as of December 31, 2021. Refer to Note 3: Acquisitions for further information.

The fair value of equity securities without readily determinable fair market values ("RDFV") is determined based on cost, less any impairment, plus or minus changes in fair value resulting from observable price changes in orderly transactions for an identical or similar investment of the same issuer. These securities are classified as Level 3 in the fair value hierarchy outlined above.

There are significant judgments, assumptions and estimates inherent in the determination of the fair value of each of the instruments described above. These include determination of a valuation method and selection of the possible outcomes available to the Company, including the determination of timing and expected future investment returns for such scenarios. Prior to the IPO, the Company considered the equity value of an initial public offering using market transactions and determined the expected value of a stay private scenario using the income approach, which was based on assumptions regarding the Company's future operating performance. The related judgments, assumptions and estimates are highly interrelated and changes in any one assumption could necessitate changes in another. In particular, any changes in the probability of a particular outcome would require a related change to the probability of another outcome. In addition, the fair value of the 2021 Notes is derived using assumptions that are consistent with the assumptions used to value the Company's common stock, the fee in-lieu of warrant and the warrant. In the future, depending on the valuation approaches used and the expected timing and weighting of each, the inputs described above, or other inputs, may have a greater or lesser impact on the Company's estimates of fair value.

12. Employee benefit plan

The Company sponsors a 401(k) tax-deferred savings plan for all employees who meet certain eligibility requirements. Participants may contribute, on a pre-tax or post-tax basis, a percentage of their annual compensation, not to exceed a maximum contribution amount pursuant to Section 401(k) of the Internal Revenue Code. The Company match is 100% of the employees' first contribution of 3%, plus 50% of the next 2% of eligible compensation contributed by the employee, up to a maximum Company match of 4% of

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compensation for each employee. The Company contributed \$0.6 million and \$0.2 million for the years ended December 31, 2021 and 2020, respectively.

13. Related party transactions

The Company is party to a joint development agreement with AGC, Inc., the parent company of the employer of one of the Company's former directors (resignation effective April 2021). No revenue was recognized under the agreement during 2021 through April 2021. Revenue recognized under the agreement for the year ended December 31, 2020 was \$0.2 million. The Company has the opportunity to earn additional revenues under the agreement if pre-determined milestones are achieved.

During the period ended December 31, 2021, the employer of one of the Company's board members exercised a warrant to purchase 307,211 shares of the Company's common stock. The Company's total cash proceeds from the warrant's exercise was \$0.1 million.

14. Net loss per share attributable to common stockholders and unitholders

Basic net loss per share is computed by dividing net loss by the weighted-average number of common shares outstanding during the period.

The following table sets forth the computation of the Company's basic and diluted net loss per share attributable to common unitholders and stockholders (in thousands, except share and per share amounts):

	2021	2020
Numerator:		
Net loss	\$ (100,960)	\$ (14,353)
Adjustment of redeemable convertible preferred stock and units	—	(34,336)
Cumulative undeclared preferred stock dividends	(2,284)	(780)
Net loss available to common stockholder and unitholders	<u>\$ (103,244)</u>	<u>\$ (49,469)</u>
Denominator:		
Weighted-average common shares and units outstanding	49,685,194	15,494,908
Net loss per share, basic and diluted	<u>\$ (2.08)</u>	<u>\$ (3.19)</u>

The common stock issuable upon the conversion or exercise of the following dilutive securities has been excluded from the diluted net loss per share calculation because their effect would have been anti-dilutive. Diluted net loss per share, therefore, does not differ from basic net loss per share for the periods presented.

Potentially dilutive securities not included in the calculation of diluted net loss per share because to do so would be anti-dilutive are as follows (in common stock equivalent shares):

	2021	2020
Redeemable convertible preferred stock and units outstanding	25,489,573	45,424,373
Redeemable convertible preferred stock and unit warrants	189,377	307,211
Stock options	6,379,236	1,645,237
Unvested restricted stock	2,616,641	1,111,642

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NOTES TO CONSOLIDATED FINANCIAL STATEMENTS

15. Income Taxes**Provision for Income Taxes:**

The Company was classified as a partnership, and was therefore a pass-through entity, for U.S. income tax purposes through the LLC Conversion on October 15, 2020. The Company incurred net losses for the years ended December 31, 2021 and 2020.

The significant components of income tax for the years ended December 31 are as follows (in thousands):

	2021	2020
Current		
Federal	\$ —	\$ —
State	2	2
Total current	<u>2</u>	<u>2</u>
Deferred expense/(benefit)		
Federal	(7,254)	—
State	(1,647)	—
Total deferred	<u>(8,901)</u>	<u>—</u>
Total	<u>\$ (8,899)</u>	<u>\$ 2</u>

The provision for income taxes results in effective tax rates which are different than the federal income tax statutory rate. The nature of the differences for the years ended December 31, 2021 and 2020 were as follows:

	2021	2020
Expected federal income tax	21.0 %	21.0 %
State income taxes after credits	4.8	4.2
Tax-effect of change in entity status	0.3	(3.7)
Change in valuation allowance	(9.1)	(3.3)
Research and development credits	0.6	0.1
Stock-based compensation	(0.9)	(0.4)
Revaluation of warrant liability	(1.0)	(0.2)
Change in fair value of convertible promissory notes	(6.6)	—
Loss allocable to pre-incorporation period	—	(17.7)
Other	(1.0)	—
Effective tax rate	<u>8.1 %</u>	<u>— %</u>

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NOTES TO CONSOLIDATED FINANCIAL STATEMENTS

Deferred income taxes reflect the net tax effects of temporary differences between the carrying amounts of the assets and liabilities for financial reporting purposes and amounts used for income tax purposes. Significant components of the Company's deferred income tax assets and liabilities are as follows at December 31, 2021 and 2020 (in thousands):

	2021	2020
Deferred tax assets:		
Net operating losses	\$ 22,508	\$ 941
Research and development credits	698	7
Stock-based compensation	1,342	19
Lease liability	2,651	1,157
Accrued expenses	300	3
Gross deferred tax assets	27,499	2,127
Less valuation allowance	(10,481)	(477)
Total deferred tax assets	17,018	1,650
Deferred tax liabilities:		
Depreciation and amortization	(15,221)	(520)
Right-of-Use Lease	(2,540)	(1,130)
Gross deferred tax liabilities	(17,761)	(1,650)
Deferred tax liabilities, net	\$ (743)	\$ —

As of December 31, 2021, the Company has remaining federal net operating losses of \$86.3 million and has state net operating loss carryforwards of approximately \$74.9 million to offset against future taxable income for state tax purposes. Under the Tax Cuts and Jobs Act of 2017 ("TCJA"), federal net operating losses incurred in 2018 and future years may be carried forward indefinitely, but the deductibility of such federal NOLs is subject to an annual limitation. NOLs generated prior to 2018 are eligible to be carried forward up to 20 years. State net operating losses can be carried forward for 5 to 20 years depending on the jurisdiction and will begin to expire in years 2025 to 2040. The company also has Federal research credit carryforwards of approximately \$1.4 million that will begin to expire in 2040. We file federal and certain state income tax returns, which provide varying statutes of limitations on assessments. However, because of NOL carryforwards, substantially all tax years since the Company's incorporation remain open to federal and state tax examination.

In assessing the realization of deferred tax assets, management considers whether it is more likely than not that some portion or all of the deferred assets will be realized. The ultimate realization of the deferred tax assets is dependent upon the generation of future taxable income during the periods in which those temporary differences become deductible. Evaluating the need for a valuation allowance for deferred tax assets often requires judgment and analysis of all the positive and negative evidence available, including cumulative losses in recent years and projected future taxable income, to determine whether all or some portion of the deferred tax assets will not be realized. As of December 31, 2021, the Company has utilized a full valuation allowance to offset the net deferred tax assets as the Company believes it is not more likely than not that the net deferred tax assets will be fully realizable. The valuation allowance increased \$10.0 million during the year ended December 31, 2021 and \$0.5 million during the year ended December 31, 2020.

Under the provisions of the Internal Revenue Code, certain substantial changes in the company's ownership may result in a limitation on the amount of net operating loss carryforwards and research and development credit carryforwards which could be utilized annually to offset future taxable income and taxes payable. A formal Section 382 study was not performed through December 31, 2021.

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We recognize the effect of income tax positions only if those positions are more likely than not of being sustained. We had unrecognized tax benefits of \$0.7 million as of December 31, 2021 and no unrecognized tax benefits as of December 31, 2020.

We recognize penalties and interest related to unrecognized tax benefits as a component of income tax expense. As of December 31, 2021 and December 31, 2020, there are no accrued penalties or interest recorded in the financial statements. All unrecognized tax benefits would currently not have an impact on the effective rate if recognized. The following is a reconciliation of our unrecognized tax benefits:

	2021
Balance at January 1	\$ —
Additions Based On Tax Positions Related to Current Year	698
Balance at December 31	\$ 698

Item 9. Changes in and Disagreements With Accountants on Accounting and Financial Disclosures

None.

Item 9A. Controls and Procedures

Evaluation of Disclosure Controls and Procedures

Our “disclosure controls and procedures,” as defined in Rules 13a-15(e) and 15d-15(e) under the Exchange Act, are designed to ensure that information required to be disclosed by an issuer in the reports that it files or submits under the Exchange Act is recorded, processed, summarized and reported, within the time periods specified in the SEC’s rules and forms. Disclosure controls and procedures are designed to ensure that information required to be disclosed is accumulated and communicated to the issuer’s management, including its principal executive and principal financial officers, to allow timely decisions regarding required disclosure.

Management recognizes that any controls and procedures, no matter how well designed and operated, can provide only reasonable assurance of achieving their objectives and management necessarily applies its judgment in evaluating the cost-benefit relationship of possible controls and procedures.

Based upon our evaluation of the Company’s disclosure controls and procedures, as of December 31, 2021, our Chief Executive Officer and Chief Financial Officer concluded that the disclosure controls were not effective, due to the material weakness in internal control over financial reporting disclosed in our final prospectus filed with the SEC on July 23, 2021 for the fiscal year ended December 31, 2020. In light of this fact, our management has performed additional analyses, reconciliations, and other post-closing procedures and has concluded that, notwithstanding the material weakness in our internal control over financial reporting, the consolidated financial statements included in this Annual Report on Form 10-K fairly present, in all material respects, our financial position, results of operations and cash flows for the periods presented in conformity with US GAAP.

Management’s Report on Internal Control Over Financial Reporting

This annual report does not include a report of management’s assessment regarding internal control over financial reporting or an attestation report of the company’s registered public accounting firm due to a transition period established by rules of the SEC for newly public companies.

Changes in Internal Control over Financial Reporting

We are taking actions to remediate the material weakness relating to our internal control over financial reporting, as described below. Except as otherwise described herein, there was no change in our internal control over financial reporting that occurred during the period covered by this Annual Report on Form 10-K that has materially affected, or is reasonably likely to materially affect, our internal control over financial reporting.

Ongoing Remediation of Material Weakness in Internal Control over Financial Reporting

We are working to remediate the material weakness and are taking steps to strengthen our internal control over financial reporting through the continued hiring of additional finance and accounting personnel with the requisite technical knowledge and skills. With the additional personnel, we are taking appropriate and reasonable steps to remediate this material weakness through the implementation of appropriate segregation of duties, formalization of accounting policies and controls and retention of appropriate expertise for complex accounting transactions. We will not be able to fully remediate these control deficiencies until these steps have been completed and have been operating effectively for a sufficient period of time. While management believes that progress has been made in enhancing internal controls as of December 31, 2021, and in the period since, the material weakness described in our final prospectus filed with the SEC on July 23, 2021 with respect to the fiscal year ended December 31, 2020, has not been fully remediated due to insufficient time to assess the design, fully implement remediation and assess operating effectiveness of the related controls. Management will continue to evaluate and improve our disclosure controls and procedures and internal control over financial reporting throughout 2022, and will make any further changes management deems appropriate.

Item 9B. Other Information

None.

Item 9C. Disclosure Regarding Foreign Jurisdictions that Prevent Inspections

Not applicable.

Part III.**Item 10. Directors, Executive Officers and Corporate Governance**

We have adopted a written code of business conduct and ethics that applies to our directors, officers and employees, including our principal executive officer, principal financial officer, principal accounting officer or controller or, persons performing similar functions. A current copy of the code is posted on the Corporate Governance section of our investor relations website, which is located at investors.absci.com. We intend to disclose future amendments to such code, or any waivers of a provision of the code, applicable to any principal executive officer, principal financial officer, principal accounting officer or controller or persons performing similar functions, or our directors on our website or in a Current Report on Form 8-K. Information contained on the website is not incorporated by reference into this Annual Report.

The remaining information required under this item is incorporated herein by reference to our definitive proxy statement with respect to our 2022 Annual Meeting of Stockholders to be filed with the SEC within 120 days after the end of the fiscal year covered by this Annual Report on Form 10-K.

Item 11. Executive Compensation

Information responsive to this item is incorporated herein by reference to our definitive proxy statement with respect to our 2022 Annual Meeting of Stockholders to be filed with the SEC within 120 days after the end of the fiscal year covered by this Annual Report on Form 10-K.

Item 12. Security Ownership of Certain Beneficial Owners and Management and Related Stockholder Matters

Information responsive to this item is incorporated herein by reference to our definitive proxy statement with respect to our 2022 Annual Meeting of Stockholders to be filed with the SEC within 120 days after the end of the fiscal year covered by this Annual Report on Form 10-K.

Item 13. Certain Relationships and Related Transactions, and Director Independence

Information responsive to this item is incorporated herein by reference to our definitive proxy statement with respect to our 2022 Annual Meeting of Stockholders to be filed with the SEC within 120 days after the end of the fiscal year covered by this Annual Report on Form 10-K.

Item 14. Principal Accounting Fees and Services

Our independent public accounting firm is Ernst & Young, LLP, Seattle, WA, PCAOB Auditor ID 42.

Information responsive to this item is incorporated herein by reference to our definitive proxy statement with respect to our 2022 Annual Meeting of Stockholders to be filed with the SEC within 120 days after the end of the fiscal year covered by this Annual Report on Form 10-K.

Part IV.

Item 15. Exhibits, Financial Statement Schedules

(a) 1. Financial Statements.

The following financial statements are filed as a part of this report:

	Page
Report of Independent Registered Public Accounting Firm	94
Consolidated Financial Statements:	
Consolidated Balance Sheet as of December 31, 2021 and 2020	95
Consolidated Statements of Operations and Comprehensive Loss for the years ended December 31, 2021 and 2020	96
Consolidated Statements of Changes in Redeemable Convertible Preferred Stock and Units and Other Stockholders' and Members' Deficit for the years ended December 31, 2021 and 2020	97
Consolidated Statement of Cash Flows for the years ended December 31, 2021 and 2020	98
Notes to the Consolidated Financial Statements	99

(a) 2. Financial Statement Schedules.

All schedules for which provision is made in the applicable accounting regulation of the Securities and Exchange Commission have been omitted because they are inapplicable or the required information is shown in the consolidated financial statements, or notes thereto, included herein.

(b) Exhibits.

The following exhibits are filed with this Annual Report on Form 10-K:

Exhibit Index

Exhibit No.	Description
2.1	Agreement and Plan of Merger by and among Absci Corporation, Target Discovery Merger Sub I, Inc., Target Discovery Merger Sub II, LLC and Totient, Inc., dated June 4, 2021 (filed as Exhibit 2.1 to the Form S-1, File No. 333-257553, filed by Absci Corporation on July 8, 2021 and incorporated herein by reference).
3.1	Amended and Restated Certificate of Incorporation of Absci Corporation (filed as Exhibit 3.1 to the Form 8-K, File No. 001-40646, filed by Absci Corporation on July 26, 2021 and incorporated herein by reference).
3.2	Amended and Restated Bylaws of the Absci Corporation (filed as Exhibit 3.2 to the Form 8-K, File No. 001-40646, filed by Absci Corporation on July 26, 2021 and incorporated herein by reference).
4.1	Specimen Common Stock Certificate (filed as Exhibit 4.1 to the Form S-1, File No. 333-257553, filed by Absci Corporation on July 19, 2021).
4.2	Investors' Rights Agreement by and among the Registrant and certain of its stockholders dated October 19, 2020 (filed as Exhibit 4.2 to the Form S-1, File No. 333-257553, filed by Absci Corporation on June 30, 2021 and incorporated herein by reference).
4.3	Description of the Registrant's Securities.
10.1#	2020 Stock Option and Grant Plan and forms of award agreements thereunder (filed as Exhibit 10.1 to the Form S-1, File No. 333-257553, filed by Absci Corporation on June 30, 2021 and incorporated herein by reference).
10.2#	2021 Stock Option and Incentive Plan and forms of award agreements thereunder (filed as Exhibit 10.2 to the Form S-1, File No. 333-257553, filed by Absci Corporation on July 15, 2021 and incorporated herein by reference).
10.3#	2021 Employee Stock Purchase Plan (filed as Exhibit 10.3 to the Form S-1, File No. 333-257553, filed by Absci Corporation on July 15, 2021 and incorporated herein by reference).

10.4#	Senior Executive Cash Incentive Bonus Plan (filed as Exhibit 10.4 to the Form S-1, File No. 333-257553, filed by Absci Corporation on July 15, 2021 and incorporated herein by reference).
10.5#	Non-Employee Director Compensation Policy (filed as Exhibit 10.5 to the Form S-1, File No. 333-257553, filed by Absci Corporation on July 15, 2021 and incorporated herein by reference).
10.6#	Form of Indemnification Agreement by and between the Registrant and each of its directors and officers (filed as Exhibit 10.8 to the Form S-1, File No. 333-257553, filed by Absci Corporation on July 19, 2021 and incorporated herein by reference).
10.7#	Employment Agreement, by and between the Registrant and Sean McClain, dated as of July 26, 2021 (filed as Exhibit 10.13 to the Form S-1, File No. 333-257553, filed by Absci Corporation on July 15, 2021 and incorporated herein by reference).
10.8#	Employment Agreement, by and between the Registrant and Gregory Schiffman, dated as of July 26, 2021 (filed as Exhibit 10.7 to the Quarterly Report on Form 10-Q for the quarter ended June 30, 2021, filed by Absci Corporation on September 7, 2021 and incorporated herein by reference).
10.9#	Employment Agreement, by and between the Registrant and Matthew Weinstock, dated as of July 26, 2021.
10.10#	Employment Agreement, by and between the Registrant and Sarah Korman, dated as of July 26, 2021.
10.11#	Employment Agreement, by and between the Registrant and Nikhil Goel, dated as of July 26, 2021.
10.12	Office Lease, by and between AbSci, LLC and Broadway Investors II, LLC, dated as of August 11, 2016, as amended by Amendment No. 1 dated as of January 27, 2017, Amendment No. 2 dated as of November 27, 2017, Amendment No. 3 dated as of July 31, 2018, Amendment No. 4 dated as of February 1, 2019 and Amendment No. 5 dated as of July 1, 2019 (filed as Exhibit 10.9 to the Form S-1, File No. 333-257553, filed by Absci Corporation on June 30, 2021 and incorporated herein by reference).
10.13	Sublease Agreement, by and between AbSci, LLC and Killian Pacific LLC, dated as of February 1, 2019, as amended by Amendment No. 1 of Sublease dated as of July 1, 2019 (filed as Exhibit 10.10 to the Form S-1, File No. 333-257553, filed by Absci Corporation on June 30, 2021 and incorporated herein by reference).
10.14	Lease, by and between the Registrant and Columbia Tech Center, L.L.C., dated as of December 2, 2020, as amended by First Lease Modification Agreement, dated as of March 8, 2021 (filed as Exhibit 10.11 to the Form S-1, File No. 333-257553, filed by Absci Corporation on June 30, 2021 and incorporated herein by reference).
23.1	Consent of Ernst & Young LLP, Independent Registered Public Accounting Firm
24.1	Power of Attorney (reference is made to the signature page hereto).
31.1	Certification of Chief Executive Officer pursuant to Rules 13a-14(a) and 15d-14(a) under the Securities Exchange Act of 1934, as adopted pursuant to Section 302 of the Sarbanes-Oxley Act of 2002.
31.2	Certification of Chief Financial Officer pursuant to Rules 13a-14(a) and 15d-14(a) under the Securities Exchange Act of 1934, as adopted pursuant to Section 302 of the Sarbanes-Oxley Act of 2002.
32.1†	Certification of Chief Executive Officer pursuant to 18 U.S.C. Section 1350, as adopted pursuant to Section 906 of the Sarbanes-Oxley Act of 2002.
32.2†	Certification of Chief Financial Officer pursuant to 18 U.S.C. Section 1350, as adopted pursuant to Section 906 of the Sarbanes-Oxley Act of 2002.
101.INS	XBRL Instance Document
101.SCH	XBRL Taxonomy Extension Schema Document
101.CAL	XBRL Taxonomy Extension Calculation Linkbase Document
101.DEF	XBRL Taxonomy Extension Definition Linkbase Document
101.LAB	XBRL Taxonomy Extension Label Linkbase Document
101.PRE	XBRL Taxonomy Extension Presentation Linkbase Document
104	Cover Page Interactive Data File (formatted as inline XBRL and contained in Exhibit 101)

Represents management compensation plan, contract or arrangement.

† The certifications attached as Exhibit 32.1 and Exhibit 32.2 that accompany this Annual Report on Form 10-K are not deemed filed with the SEC and are not to be incorporated by reference into any filing of the Registrant under the Securities Act of 1933, as amended, or the Securities Exchange Act of 1934, as amended, whether made before or after the date of this Form 10-K, irrespective of any general incorporation language contained in such filing.

Item 16. 10-K Summary

None.

Signatures

Pursuant to the requirements of Section 13 or 15(d) of the Securities Exchange Act of 1934, the Registrant has duly caused this report to be signed on its behalf by the undersigned thereunto duly authorized.

ABSCI CORPORATION

Date: March 22, 2022

By: /s/ Sean McClain
Sean McClain
Founder, CEO (Principal Executive Officer) and
Director

POWER OF ATTORNEY

KNOW ALL PERSONS BY THESE PRESENTS, that each person whose signature appears below constitutes and appoints Sean McClain and Gregory Schiffman, as their true and lawful attorney-in-fact and agent, with full power of substitution and resubstitution, for such person and in his or her name, place and stead, in any and all capacities, to sign any and all amendments to the Annual Report on Form 10-K, and to file the same, with all exhibits thereto and other documents in connection therewith, with the Securities and Exchange Commission, granting unto said attorney-in-fact and agent full power and authority to do and perform each and every act and thing requisite and necessary to be done in and about the premises, as fully to all intents and purposes as he or she could do in person, hereby ratifying and confirming all that said attorney-in-fact and agent, or his substitutes, may lawfully do or cause to be done by virtue hereof.

Pursuant to the requirements of the Securities Exchange Act of 1934, this report has been signed below by the following persons on behalf of the registrant and in the capacities and on the dates indicated.

Date: March 22, 2022

By: /s/ Gregory Schiffman
Gregory Schiffman
Chief Financial Officer (Principal Financial Officer)

Date: March 22, 2022

By: /s/ Todd Bedrick
Todd Bedrick
Vice President, Corporate Controller (Principal
Accounting Officer)

Date: March 22, 2022

By: /s/ Eli Casdin
Eli Casdin
Director

Date: March 22, 2022

By: /s/ Zachariah Jonasson
Zachariah Jonasson, Ph.D.
Director

Date: March 22, 2022

By: /s/ Ivana Magovcevic-Liebisch
Ivana Magovcevic-Liebisch, Ph.D.
Director

Date: March 22, 2022

By: /s/ Karen McGinnis
Karen McGinnis, C.P.A.
Director

Date: March 22, 2022

By: /s/ Amrit Nagpal
Amrit Nagpal
Director

Date: March 22, 2022

By: /s/ Joseph Sirosh
Joseph Sirosh, PhD
Director

By: _____
Andreas Busch, Ph.D.
Director

Description of the Registrant's Securities

The following description of the capital stock of Absci Corporation (“us,” “our,” “we,” or the “Company”) is a summary of certain provisions of the securities that are registered under Section 12 of the Securities and Exchange Act of 1934, as amended, and does not purport to be complete. It is subject to and qualified in its entirety by reference to our amended and restated certificate of incorporation and our amended and restated bylaws, each of which are incorporated by reference as an exhibit to the Annual Report on Form 10-K of which this Exhibit 4.3 is a part, and by applicable law. We encourage you to read our amended and restated certificate of incorporation, our amended and restated bylaws, and the applicable provisions of the Delaware General Corporation Law (the “DGCL”) carefully.

Authorized capital stock

Our authorized capital stock consists of 500,000,000 shares of common stock, par value \$0.0001 per share, and 10,000,000 shares of preferred stock, par value \$0.0001 per share, all of which are currently undesignated.

Common stock

The holders of our common stock are entitled to one vote for each share of common stock held of record for the election of directors and on all matters submitted to a vote of stockholders. Except as described under “Anti-takeover effects of Delaware Law and provisions of our amended and restated certificate of incorporation and bylaws” below, a majority vote of the holders of common stock is generally required to take action under our amended and restated certificate of incorporation and bylaws. Holders of our common stock are entitled to receive dividends ratably, if any, as may be declared by our board of directors out of legally available funds, subject to any preferential dividend rights of any preferred stock then outstanding. Upon our dissolution, liquidation or winding up, holders of our common stock are entitled to share ratably in our net assets legally available after the payment of all our debts and other liabilities, subject to the preferential rights of any preferred stock then outstanding. Holders of our common stock have no preemptive, subscription, redemption or conversion rights and no sinking fund provisions are applicable to our common stock. The rights, preferences and privileges of holders of common stock are subject to, and may be adversely affected by, the rights of the holders of shares of any series of preferred stock that we may designate and issue in the future.

Preferred stock

Our board of directors has the authority, without action by the stockholders, to designate and issue up to an aggregate of 10,000,000 shares of preferred stock in one or more series. Our board of directors can designate the rights, preferences and privileges of the shares of each series and any of its qualifications, limitations or restrictions. Our board of directors may authorize the issuance of preferred stock with voting or conversion rights that could adversely affect the voting power or other rights of the holders of common stock. The issuance of preferred stock, while providing flexibility in connection with possible future financings and acquisitions and other corporate purposes could, under certain circumstances, have the effect of restricting dividends on our common stock, diluting the voting power of our common stock, impairing the liquidation rights of our common stock, or delaying, deferring or preventing a change in control of our Company, which might harm the market price of our common stock. See also “-Anti-takeover effects of Delaware Law and provisions of our amended and restated certificate of incorporation and bylaws-Undesignated preferred stock” below.

Our board of directors will make any determination to issue such shares based on its judgment as to our Company’s best interests and the best interests of our stockholders. No shares of preferred stock are currently outstanding, and we have no current plans to issue any shares of preferred stock.

Registration rights

Pursuant to the terms of our investors’ rights agreement, dated as of October 19, 2020, with certain of our stockholders (the “investors’ rights agreement”), certain of our stockholders are entitled to rights with respect to the registration of their shares (which we refer to herein as “registrable securities”) under the Securities Act of 1933, as amended. The investors’ rights agreement includes demand registration rights, short-form registration rights and piggyback registration rights.

All fees, costs and expenses incurred in connection with registrations under the investors' rights agreement will be borne by us, and all selling expenses, including underwriting discounts and selling commissions, will be borne by the holders of the shares being registered.

Demand registration rights

The holders of our registrable securities are entitled to demand registration rights. Under the terms of our investors' rights agreement, we will be required, upon the request of holders of at least a majority of our outstanding registrable securities, to file a registration statement and use commercially reasonable efforts to effect the registration of these shares for public resale. We are required to effect up to two registrations pursuant to this provision of the investors' rights agreement.

Short form registration rights

The holders of our registrable securities are also entitled to short form registration rights. Pursuant to our investors' rights agreement, if we are eligible to file a registration statement on Form S-3, upon the request of holders of at least 20% of our outstanding registrable securities to sell registrable securities with an anticipated aggregate offering amount of at least \$5.0 million net of certain expenses related to the offering, we will be required to use our commercially reasonable efforts to effect a registration of such shares. We are required to effect up to two registrations in any twelve-month period pursuant to this provision of the investors' rights agreement.

Piggyback registration rights

The holders of our registrable securities are entitled to piggyback registration rights. If we register any of our securities either for our own account or for the account of other security holders, the holders of our outstanding registrable securities are entitled to include their shares in the registration. Subject to certain exceptions contained in the investors' rights agreement, we and the underwriters may limit the number of shares included in the underwritten offering if the underwriters determine that marketing factors require a limitation of the number of shares to be underwritten.

Indemnification

Our investors' rights agreement contains customary cross-indemnification provisions, under which we are obligated to indemnify holders of registrable securities in the event of material misstatements or omissions in the registration statement attributable to us, and they are obligated to indemnify us for material misstatements or omissions attributable to them.

Expenses of registration

We will pay the registration expenses, subject to certain limited exceptions contained in the investors' rights agreement, of the holders of the shares registered pursuant to the demand, short form and piggyback registration rights described above, including the expenses of one counsel for the selling holders.

Expiration of registration rights

The registration rights granted under the investors' rights agreement will terminate upon the earlier of (i) a deemed liquidation event, as defined in our amended and restated certificate of incorporation or certain other events constituting a sale of the Company, (ii) at such time after our initial public offering when all registrable securities could be sold under Rule 144 of the Securities Act of 1933, as amended, or a similar exemption without limitation during a three-month period without registration or (iii) the fifth anniversary of our initial public offering.

Anti-takeover effects of Delaware Law and provisions of our amended and restated certificate of incorporation and bylaws

Certain provisions of the DGCL and of our amended and restated certificate of incorporation and bylaws may have the effect of delaying, deferring or discouraging another party from acquiring control of us. These provisions, which are summarized below, may discourage certain types of coercive takeover practices and inadequate takeover bids and, as a consequence, they might also inhibit temporary fluctuations in the market price of our common stock that often result from actual or rumored hostile takeover attempts. These provisions are also designed in part to encourage anyone seeking to acquire control of us to first negotiate with our board of directors. These provisions

might also have the effect of preventing changes in our management. It is possible that these provisions could make it more difficult to accomplish transactions that stockholders might otherwise deem to be in their best interests. However, we believe that the advantages gained by protecting our ability to negotiate with any unsolicited and potentially unfriendly acquirer outweigh the disadvantages of discouraging such proposals, including those priced above the then-current market value of our common stock, because, among other reasons, the negotiation of such proposals could improve their terms.

Delaware takeover statute

We are subject to the provisions of Section 203 of the DGCL. In general, Section 203 prohibits a publicly held Delaware corporation from engaging in a “business combination” with an “interested stockholder” for a three-year period following the time that this stockholder becomes an interested stockholder, unless the business combination is approved in a prescribed manner. Under Section 203, a business combination between a corporation and an interested stockholder is prohibited unless it satisfies one of the following conditions:

- before the stockholder became interested, our board of directors approved either the business combination or the transaction which resulted in the stockholder becoming an interested stockholder;
- upon consummation of the transaction which resulted in the stockholder becoming an interested stockholder, the interested stockholder owned at least 85% of the voting stock of the corporation outstanding at the time the transaction commenced, excluding for purposes of determining the voting stock outstanding, shares owned by persons who are directors and also officers, and employee stock plans, in some instances, but not the outstanding voting stock owned by the interested stockholder; or
- at or after the time the stockholder became interested, the business combination was approved by our board of directors and authorized at an annual or special meeting of the stockholders by the affirmative vote of at least two-thirds of the outstanding voting stock which is not owned by the interested stockholder.

Section 203 defines a business combination to include:

- any merger or consolidation involving the corporation and the interested stockholder;
- any sale, transfer, lease, pledge, exchange, mortgage or other disposition involving the interested stockholder of 10% or more of the assets of the corporation;
- subject to exceptions, any transaction that results in the issuance or transfer by the corporation of any stock of the corporation to the interested stockholder;
- subject to exceptions, any transaction involving the corporation that has the effect of increasing the proportionate share of the stock of any class or series of the corporation beneficially owned by the interested stockholder; or
- the receipt by the interested stockholder of the benefit of any loans, advances, guarantees, pledges or other financial benefits provided by or through the corporation.

In general, Section 203 defines an interested stockholder as any entity or person beneficially owning 15% or more of the outstanding voting stock of the corporation and any entity or person affiliated with or controlling or controlled by the entity or person.

Provisions of our amended and restated certificate of incorporation and bylaws

Our amended and restated certificate of incorporation and bylaws include a number of provisions that may have the effect of delaying, deferring or discouraging another party from acquiring control of us and encouraging persons considering unsolicited tender offers or other unilateral takeover proposals to negotiate with our board of directors rather than pursue non-negotiated takeover attempts. These provisions include the items described below.

Board composition and filling vacancies. In accordance with our amended and restated certificate of incorporation, our board is divided into three classes serving staggered three-year terms, with one class being elected each year. Our amended and restated certificate of incorporation also provides that directors may be removed only for cause and then only by the affirmative vote of the holders of at least 75% of the shares then entitled to vote at an election of directors. Furthermore, any vacancy on our board of directors, however occurring, including a vacancy resulting from an increase in the size of our board, may only be filled by the affirmative vote of a majority of our directors then in office even if less than a quorum.

No written consent of stockholders. Our amended and restated certificate of incorporation provides that all stockholder actions are required to be taken by a vote of the stockholders at an annual or special meeting, and that stockholders may not take any action by written consent in lieu of a meeting. This limit may lengthen the amount of

time required to take stockholder actions and would prevent the amendment of our amended and restated bylaws or removal of directors by our stockholder without holding a meeting of stockholders.

Meetings of stockholders. Our amended and restated bylaws provide that only a majority of the members of our board of directors then in office may call special meetings of stockholders and only those matters set forth in the notice of the special meeting may be considered or acted upon at a special meeting of stockholders. Our amended and restated bylaws limit the business that may be conducted at an annual meeting of stockholders to those matters properly brought before the meeting.

Advance notice requirements. Our amended and restated bylaws establish advance notice procedures with regard to stockholder proposals relating to the nomination of candidates for election as directors or new business to be brought before meetings of our stockholders. These procedures provide that notice of stockholder proposals must be timely given in writing to our corporate secretary prior to the meeting at which the action is to be taken. Generally, to be timely, notice must be received at our principal executive offices not less than 90 days or more than 120 days prior to the first anniversary date of the annual meeting for the preceding year. The notice must contain certain information specified in our amended and restated bylaws.

Amendment to amended and restated certificate of incorporation and bylaws. As required by the DGCL, any amendment of our amended and restated certificate of incorporation must first be approved by a majority of our board of directors, and if required by law or our amended and restated certificate of incorporation, must thereafter be approved by a majority of the outstanding shares entitled to vote on the amendment, and a majority of the outstanding shares of each class entitled to vote thereon as a class, except that the amendment of the provisions relating to stockholder action, directors, limitation of liability and the amendment of our amended and restated certificate of incorporation must be approved by not less than 75% of the outstanding shares entitled to vote on the amendment, and not less than 75% of the outstanding shares of each class entitled to vote thereon as a class. Our amended and restated bylaws may be amended by the affirmative vote of a majority vote of the directors then in office, subject to any limitations set forth in the amended and restated bylaws; and may also be amended by the affirmative vote of at least 75% of the outstanding shares entitled to vote on the amendment, or, if the board of directors recommends that the stockholders approve the amendment, by the affirmative vote of the majority of the outstanding shares entitled to vote on the amendment, in each case voting together as a single class.

Undesignated preferred stock. Our amended and restated certificate of incorporation provides for authorized shares of preferred stock. The existence of authorized but unissued shares of preferred stock may enable our board of directors to render more difficult, or to discourage, an attempt to obtain control of us by means of a merger, tender offer, proxy contest or otherwise. For example, if in the due exercise of its fiduciary obligations, our board of directors were to determine that a takeover proposal is not in the best interests of us or our stockholders, our board of directors could cause shares of preferred stock to be issued without stockholder approval in one or more private offerings or other transactions that might dilute the voting or other rights of the proposed acquirer or insurgent stockholder or stockholder group. In this regard, our amended and restated certificate of incorporation grants our board of directors' broad power to establish the rights and preferences of authorized and unissued shares of preferred stock. The issuance of shares of preferred stock could decrease the amount of earnings and assets available for distribution to holders of shares of common stock. The issuance may also adversely affect the rights and powers, including voting rights, of these holders and may have the effect of delaying, deterring or preventing a change in control of us.

Exclusive forum. Our amended and restated bylaws provide that, unless we consent in writing to the selection of an alternative forum, the Court of Chancery of the State of Delaware shall be the sole and exclusive forum for any state law claims for: (i) any derivative action or proceeding brought on behalf of our Company, (ii) any action asserting a claim of breach of a fiduciary duty owed by any of our directors or officers to the Company or our stockholders, (iii) any action asserting a claim against our Company arising pursuant to any provision of the DGCL or amended and restated certificate of incorporation or bylaws, (iv) any action to interpret, apply, enforce, or determine the validity of our amended and restated certificate of incorporation or bylaws, or (v) any action asserting a claim against our Company governed by the internal affairs doctrine. In addition, unless we consent in writing to the selection of an alternate forum, the U.S. federal district courts shall be the sole and exclusive forum for resolving any complaint asserting a cause of action arising under the Securities Act of 1933, as amended. The exclusive forum provisions described above will not apply to any causes of action arising under the Securities Exchange Act of 1934, as amended, or any other claim for which the federal courts have exclusive jurisdiction. Although our amended and restated bylaws contain the choice of forum provisions described above, it is possible that a court could rule that such provisions are inapplicable for a particular claim or action or that such provisions are unenforceable.

Transfer agent and registrar

The transfer agent and registrar for our common stock is Computershare Trust Company, N.A. The transfer agent and registrar's address is 150 Royall Street, Canton, MA 02021.

Listing

Our common stock is listed on the Nasdaq Global Select Market under the trading symbol "ABSI."

EMPLOYMENT AGREEMENT

This Employment Agreement (“Agreement”) is made between Absci Corporation, a Delaware corporation (the “Company”), and Matthew Weinstock (the “Executive”) and is effective as of the closing of the Company’s first underwritten public offering of its equity securities pursuant to an effective registration statement under the Securities Act of 1933, as amended (the “Effective Date”). Except with respect to the Restrictive Covenants Agreement and the Equity Documents (each as defined below) and subject to Section 11, this Agreement supersedes in all respects all prior agreements between the Executive and the Company regarding the subject matter herein, including without limitation (i) the offer letter between the Executive and the Company dated July 10, 2018 (the “Prior Agreement”), and (ii) any other offer letter, employment agreement or severance agreement.

WHEREAS, the Company desires to continue to employ the Executive and the Executive desires to continue to be employed by the Company on the new terms and conditions contained herein.

NOW, THEREFORE, in consideration of the mutual covenants and agreements herein contained and other good and valuable consideration, the receipt and sufficiency of which is hereby acknowledged, the parties agree as follows:

1. Employment.

(a) Term. The Company shall employ the Executive and the Executive shall be employed by the Company pursuant to this Agreement commencing as of the Effective Date and continuing until such employment is terminated in accordance with the provisions hereof (the “Term”). The Executive’s employment with the Company shall continue to be “at will,” meaning that the Executive’s employment may be terminated by the Company or the Executive at any time and for any reason subject to the terms of this Agreement.

(b) Position and Duties. The Executive shall serve as the Chief Technology Officer of the Company and shall have such powers and duties as may from time to time be prescribed by the Chief Executive Officer (the “CEO”) or other duly authorized executive. The Executive shall devote the Executive’s full working time and efforts to the business and affairs of the Company. Notwithstanding the foregoing, the Executive may serve on other boards of directors, with the approval of the Board of Directors of the Company (the “Board”), or engage in religious, charitable or other community activities as long as such services and activities do not interfere with the Executive’s performance of the Executive’s duties to the Company.

(c) Location. The Executive’s primary work location will be in the Company’s office, currently located in Vancouver, Washington; *provided* that the Executive may be required to travel regularly for business, consistent with the Company’s business needs.

2. Compensation and Related Matters.

(a) Base Salary. The Executive’s initial base salary shall be paid at the rate of \$430,000 per year. The Executive’s base salary shall be subject to periodic review by the Board or the Compensation Committee of the Board (the “Compensation Committee”). The base salary in effect at any given time is referred to herein as “Base Salary.” The Base Salary shall be payable in a manner that is consistent with the Company’s usual payroll practices for its executive officers.

(b) Incentive Compensation. The Executive shall be eligible to receive cash incentive compensation as determined by the Board or the Compensation Committee from time to time. The Executive's initial target annual incentive compensation shall be 45 percent of the Executive's Base Salary. The target annual incentive compensation in effect at any given time is referred to herein as "Target Bonus." The actual amount of the Executive's annual incentive compensation, if any, shall be determined in the sole discretion of the Board or the Compensation Committee. Any annual incentive compensation will be paid no later than March 15th of the calendar year following the calendar year to which such bonus relates. Except as otherwise provided herein or as may be provided by the Board or the Compensation Committee, the Executive must be employed by the Company on the date such incentive compensation is paid in order to earn or receive any annual incentive compensation.

(c) Expenses. The Executive shall be entitled to receive prompt reimbursement for all reasonable expenses incurred by the Executive during the Term in performing services hereunder, in accordance with the policies and procedures then in effect and established by the Company for its executive officers.

(d) Other Benefits. The Executive shall be eligible to participate in or receive benefits under the Company's employee benefit plans in effect from time to time, subject to the terms of such plans.

(e) Paid Time Off. The Executive shall be entitled to take paid time off in accordance with the Company's applicable paid time off policy for executives, as may be in effect from time to time.

(f) Equity. The equity awards held by the Executive shall continue to be governed by the terms and conditions of the Company's applicable equity incentive plan(s) and the applicable award agreement(s) governing the terms of such equity awards (collectively, the "Equity Documents"). Accordingly, any equity award(s) granted to the Executive prior to the Effective Date that is/are subject to single trigger accelerated vesting pursuant to formally approved Board resolution(s) shall fully vest and become immediately exercisable upon a Change in Control in accordance with and subject to the terms of such Board resolution(s) and the Equity Documents ("Preserved Single Trigger Acceleration"). With respect to Executive's award(s) that are not subject to Preserved Single Trigger Acceleration, and notwithstanding anything to the contrary in the Equity Documents, in the event of a termination of the Executive's employment by the Company without Cause or by the Executive for Good Reason in either event within the Change in Control Period (as such terms are defined below), all stock options and other stock-based awards held by the Executive that are subject solely to time-based vesting shall immediately accelerate and become fully vested and exercisable or nonforfeitable as of the Date of Termination (as defined below).

3. Termination. The Executive's employment hereunder may be terminated without any breach of this Agreement under the following circumstances:

(a) Death. The Executive's employment hereunder shall terminate upon death.

(b) Disability. The Company may terminate the Executive's employment if the Executive is disabled and unable to perform or expected to be unable to perform the essential functions of the Executive's then existing position or positions under this Agreement with or without reasonable accommodation for a period of 180 days (which need not be consecutive) in any 12-month period. If any question shall arise as to whether during any period the Executive is disabled so as to be unable to perform the essential functions of the Executive's then existing position or positions with or without reasonable accommodation, the Executive may, and at the

request of the Company shall, submit to the Company a certification in reasonable detail by a physician selected by the Company to whom the Executive or the Executive's guardian has no reasonable objection as to whether the Executive is so disabled or how long such disability is expected to continue, and such certification shall for the purposes of this Agreement be conclusive of the issue. The Executive shall cooperate with any reasonable request of the physician in connection with such certification. If such question shall arise and the Executive shall fail to submit such certification, the Company's determination of such issue shall be binding on the Executive. Nothing in this Section 3(b) shall be construed to waive the Executive's rights, if any, under existing law including, without limitation, the Family and Medical Leave Act of 1993, 29 U.S.C. §2601 *et seq.* and the Americans with Disabilities Act, 42 U.S.C. §12101 *et seq.*

(c) Termination by the Company for Cause. The Company may terminate the Executive's employment hereunder for Cause. For purposes of this Agreement, "Cause" shall mean any of the following:

(i) conduct by the Executive constituting a material act of misconduct in connection with the performance of the Executive's duties, including, without limitation, (A) willful failure or refusal to perform material responsibilities that have been requested by the CEO; (B) dishonesty to the CEO with respect to any material matter; or (C) misappropriation of funds or property of the Company or any of its subsidiaries or affiliates other than the occasional, customary and *de minimis* use of Company property for personal purposes;

(ii) the commission by the Executive of acts satisfying the elements of (A) any felony or (B) a misdemeanor involving moral turpitude, deceit, dishonesty or fraud;

(iii) any misconduct by the Executive, regardless of whether or not in the course of the Executive's employment, that would reasonably be expected to result in material injury or reputational harm to the Company or any of its subsidiaries or affiliates if the Executive were to continue to be employed in the same position;

(iv) continued unsatisfactory performance or non-performance by the Executive of the Executive's duties hereunder (other than by reason of the Executive's physical or mental illness, incapacity or disability) which has continued for more than 30 days following written notice of such unsatisfactory performance or non-performance from the CEO;

(v) a breach by the Executive of any of the provisions contained in Section 8 of this Agreement or the Restrictive Covenants Agreement;

(vi) a material violation by the Executive of any of the Company's written employment policies; or

(vii) the Executive's failure to cooperate with a bona fide internal investigation or an investigation by regulatory or law enforcement authorities, after being instructed by the Company to cooperate, or the willful destruction or failure to preserve documents or other materials known to be relevant to such investigation or the inducement of others to fail to cooperate or to produce documents or other materials in connection with such investigation.

(d) Termination by the Company without Cause. The Company may terminate the Executive's employment hereunder at any time without Cause. Any termination by the Company of the Executive's employment under this Agreement which does not constitute a termination for Cause under Section 3(c) and does not result from the death or disability of the Executive under Section 3(a) or (b) shall be deemed a termination without Cause.

(e) Termination by the Executive. The Executive may terminate employment hereunder at any time for any reason, including but not limited to, Good Reason. For purposes of this Agreement, “Good Reason” shall mean that the Executive has completed all steps of the Good Reason Process (hereinafter defined) following the occurrence of any of the following events without the Executive’s consent (each, a “Good Reason Condition”):

- (i) a material diminution in the Executive’s responsibilities, authority or duties during the Change in Control Period;
- (ii) a material diminution in the Executive’s Base Salary except for across-the-board salary reductions based on the Company’s financial performance similarly affecting all or substantially all senior management employees of the Company; or
- (iii) a material breach of this Agreement by the Company.

The “Good Reason Process” consists of the following steps:

- (i) the Executive reasonably determines in good faith that a Good Reason Condition has occurred;
- (ii) the Executive notifies the Company in writing of the first occurrence of the Good Reason Condition within 60 days of the first occurrence of such condition;
- (iii) the Executive cooperates in good faith with the Company’s efforts, for a period of not less than 30 days following such notice (the “Cure Period”), to remedy the Good Reason Condition;
- (iv) notwithstanding such efforts, the Good Reason Condition continues to exist at the end of the Cure Period; and
- (v) the Executive terminates employment within 60 days after the end of the Cure Period.

If the Company cures the Good Reason Condition during the Cure Period, Good Reason shall be deemed not to have occurred.

4. Matters Related to Termination.

(a) Notice of Termination. Except for termination as specified in Section 3(a), any termination of the Executive’s employment by the Company or any such termination by the Executive shall be communicated by written Notice of Termination to the other party hereto. For purposes of this Agreement, a “Notice of Termination” shall mean a notice which shall indicate the specific termination provision in this Agreement relied upon.

(b) Date of Termination. “Date of Termination” shall mean: (i) if the Executive’s employment is terminated by death, the date of death; (ii) if the Executive’s employment is terminated on account of disability under Section 3(b) or by the Company for Cause under Section 3(c), the date on which Notice of Termination is given; (iii) if the Executive’s employment is terminated by the Company without Cause under Section 3(d), the date on which a Notice of Termination is given or the date otherwise specified by the Company in the Notice of Termination; (iv) if the Executive’s employment is terminated by the Executive under Section 3(e) other than for Good Reason, 30 days after the date on which a Notice of

Termination is given, and (v) if the Executive's employment is terminated by the Executive under Section 3(e) for Good Reason, the date on which a Notice of Termination is given after the end of the Cure Period. Notwithstanding the foregoing, in the event that the Executive gives a Notice of Termination to the Company, the Company may unilaterally accelerate the Date of Termination and such acceleration shall not result in a termination by the Company for purposes of this Agreement.

(c) Accrued Obligations. If the Executive's employment with the Company is terminated for any reason, the Company shall pay or provide to the Executive (or to the Executive's authorized representative or estate) (i) any Base Salary earned through the Date of Termination and, if applicable, any accrued but unused vacation through the Date of Termination; (ii) unpaid expense reimbursements (subject to, and in accordance with, Section 2(c) of this Agreement); and (iii) any vested benefits the Executive may have under any employee benefit plan of the Company through the Date of Termination, which vested benefits shall be paid and/or provided in accordance with the terms of such employee benefit plans (collectively, the "Accrued Obligations").

(d) Resignation of All Other Positions. To the extent applicable, the Executive shall be deemed to have resigned from all officer and board member positions that the Executive holds with the Company or any of its respective subsidiaries and affiliates upon the termination of the Executive's employment for any reason. The Executive shall execute any documents in reasonable form as may be requested to confirm or effectuate any such resignations.

5. Severance Pay and Benefits Upon Termination by the Company without Cause or by the Executive for Good Reason Outside the Change in Control Period. If the Executive's employment is terminated by the Company without Cause as provided in Section 3(d), or the Executive terminates employment for Good Reason as provided in Section 3(e)(ii) or (iii), in each case outside of the Change in Control Period, then, in addition to the Accrued Obligations, and subject to (i) the Executive signing a separation agreement and release in a form and manner satisfactory to the Company, which shall include, without limitation, a general release of claims against the Company and all related persons and entities that shall not release the Executive's rights under this Agreement, a reaffirmation of all of the Executive's Continuing Obligations (as defined below), and, in the Company's sole discretion, a one-year post-employment noncompetition agreement, and shall provide that if the Executive breaches any of the Continuing Obligations, all payments of the Severance Amount shall immediately cease (the "Separation Agreement"), and (ii) the Separation Agreement becoming irrevocable, all within 60 days after the Date of Termination (or such shorter period as set forth in the Separation Agreement), which shall include a seven (7) business day revocation period:

(a) the Company shall pay the Executive an amount equal to 9 months of the Executive's Base Salary (the "Severance Amount"); *provided* that in the event the Executive is entitled to Garden Leave Pay (as defined below), the Severance Amount received in any calendar year will be reduced by the amount of Garden Leave Pay the Executive is paid in the same such calendar year (the "Garden Leave Pay Setoff"); and

(b) subject to the Executive's copayment of premium amounts at the applicable active employees' rate and the Executive's proper election to receive benefits under the Consolidated Omnibus Budget Reconciliation Act of 1985, as amended ("COBRA"), the Company shall pay to the group health plan provider or the COBRA provider a monthly payment equal to the monthly employer contribution that the Company would have made to provide health insurance to the Executive if the Executive had remained employed by the Company until the earliest of (i) the 9-month anniversary of the Date of Termination; (ii) the date that the Executive becomes eligible for group medical plan benefits under any other employer's group

medical plan; or (iii) the cessation of the Executive's health continuation rights under COBRA; *provided, however*, that if the Company determines that it cannot pay such amounts to the group health plan provider or the COBRA provider (if applicable) without potentially violating applicable law (including, without limitation, Section 2716 of the Public Health Service Act), then the Company shall convert such payments to payroll payments directly to the Executive for the time period specified above. Such payments to the Executive shall be subject to tax-related deductions and withholdings and paid on the Company's regular payroll dates.

The amounts payable under Section 5, to the extent taxable, shall be paid out in substantially equal installments in accordance with the Company's payroll practice over 9 months commencing within 60 days after the Date of Termination; *provided, however*, that if the 60-day period begins in one calendar year and ends in a second calendar year, such payments, to the extent they qualify as "non-qualified deferred compensation" within the meaning of Section 409A of the Internal Revenue Code of 1986, as amended (the "Code"), shall begin to be paid in the second calendar year by the last day of such 60-day period; *provided, further*, that the initial payment shall include a catch-up payment to cover amounts retroactive to the day immediately following the Date of Termination. Each payment pursuant to this Agreement is intended to constitute a separate payment for purposes of Treasury Regulation Section 1.409A-2(b)(2).

6. Severance Pay and Benefits Upon Termination by the Company without Cause or by the Executive for Good Reason within the Change in Control Period. The provisions of this Section 6 shall apply in lieu of, and expressly supersede, the provisions of Section 5 if (i) the Executive's employment is terminated either (a) by the Company without Cause as provided in Section 3(d), or (b) by the Executive for Good Reason as provided in Section 3(e), and (ii) the Date of Termination is on or within 12 months after the occurrence of the first event constituting a Change in Control (such period, the "Change in Control Period"). These provisions shall terminate and be of no further force or effect after the Change in Control Period.

(a) If the Executive's employment is terminated by the Company without Cause as provided in Section 3(d) or the Executive terminates employment for Good Reason as provided in Section 3(e) and in each case the Date of Termination occurs during the Change in Control Period, then, in addition to the Accrued Obligations, and subject to the signing of a general release of claims against the Company and all related persons and entities that shall not release the Executive's rights under this Agreement (the "Release") by the Executive and the Release becoming fully effective, all within the time frame set forth in the Release but in no event more than 60 days after the Date of Termination:

(i) the Company shall pay the Executive a lump sum in cash in an amount equal to the sum of (A) 12 months of the Executive's then-current Base Salary (or the Executive's Base Salary in effect immediately prior to the Change in Control, if higher) plus (B) 1.0 times the Executive's Target Bonus for the then-current year (or the Executive's Target Bonus in effect immediately prior to the Change in Control, if higher) (the "Change in Control Payment"); *provided* that the Change in Control Payment shall be reduced by the amount of the Garden Leave Pay Setoff, if applicable; and

(ii) subject to the Executive's copayment of premium amounts at the applicable active employees' rate and the Executive's proper election to receive benefits under COBRA, the Company shall pay to the group health plan provider or the COBRA provider a monthly payment equal to the monthly employer contribution that the Company would have made to provide health insurance to the Executive if the Executive had remained employed by the Company until the earliest of (A) the 12-month anniversary of the Date of Termination; (B) the date that the Executive becomes eligible for group medical plan benefits under any other employer's group medical plan; or (C) the cessation of the Executive's health continuation rights under COBRA; *provided*,

however, that if the Company determines that it cannot pay such amounts to the group health plan provider or the COBRA provider (if applicable) without potentially violating applicable law (including, without limitation, Section 2716 of the Public Health Service Act), then the Company shall convert such payments to payroll payments directly to the Executive for the time period specified above. Such payments to the Executive shall be subject to tax-related deductions and withholdings and paid on the Company's regular payroll dates.

The amounts payable under this Section 6(a), to the extent taxable, shall be paid or commence to be paid within 60 days after the Date of Termination; *provided, however*, that if the 60-day period begins in one calendar year and ends in a second calendar year, such payments to the extent they qualify as "non-qualified deferred compensation" within the meaning of Section 409A of the Code, shall be paid or commence to be paid in the second calendar year by the last day of such 60-day period.

(b) Additional Limitation.

(i) Anything in this Agreement to the contrary notwithstanding, in the event that the amount of any compensation, payment or distribution by the Company to or for the benefit of the Executive, whether paid or payable or distributed or distributable pursuant to the terms of this Agreement or otherwise, calculated in a manner consistent with Section 280G of the Code, and the applicable regulations thereunder (the "Aggregate Payments"), would be subject to the excise tax imposed by Section 4999 of the Code, then the Aggregate Payments shall be reduced (but not below zero) so that the sum of all of the Aggregate Payments shall be \$1.00 less than the amount at which the Executive becomes subject to the excise tax imposed by Section 4999 of the Code; *provided* that such reduction shall only occur if it would result in the Executive receiving a higher After Tax Amount (as defined below) than the Executive would receive if the Aggregate Payments were not subject to such reduction. In such event, the Aggregate Payments shall be reduced in the following order, in each case, in reverse chronological order beginning with the Aggregate Payments that are to be paid the furthest in time from consummation of the transaction that is subject to Section 280G of the Code: (A) cash payments not subject to Section 409A of the Code; (B) cash payments subject to Section 409A of the Code; (C) equity-based payments and acceleration; and (D) non-cash forms of benefits; *provided* that in the case of all the foregoing Aggregate Payments all amounts or payments that are not subject to calculation under Treas. Reg. §1.280G-1, Q&A-24(b) or (c) shall be reduced before any amounts that are subject to calculation under Treas. Reg. §1.280G-1, Q&A-24(b) or (c).

(ii) For purposes of this Section 6(b), the "After Tax Amount" means the amount of the Aggregate Payments less all federal, state, and local income, excise and employment taxes imposed on the Executive as a result of the Executive's receipt of the Aggregate Payments. For purposes of determining the After Tax Amount, the Executive shall be deemed to pay federal income taxes at the highest marginal rate of federal income taxation applicable to individuals for the calendar year in which the determination is to be made, and state and local income taxes at the highest marginal rates of individual taxation in each applicable state and locality, net of the maximum reduction in federal income taxes which could be obtained from deduction of such state and local taxes.

(iii) The determination as to whether a reduction in the Aggregate Payments shall be made pursuant to Section 6(b)(i) shall be made by a nationally recognized accounting firm selected by the Company (the "Accounting Firm"), which shall provide detailed supporting calculations both to the Company and the Executive within 15 business days of the Date of Termination, if applicable, or at such earlier time

as is reasonably requested by the Company or the Executive. Any determination by the Accounting Firm shall be binding upon the Company and the Executive.

(c) Definitions. For purposes of this Agreement, "Change in Control" shall mean a "Sale Event" as defined in the Company's 2021 Stock Option and Incentive Plan, as the same may be amended from time to time.

7. Section 409A.

(a) Anything in this Agreement to the contrary notwithstanding, if at the time of the Executive's separation from service within the meaning of Section 409A of the Code, the Company determines that the Executive is a "specified employee" within the meaning of Section 409A(a)(2)(B)(i) of the Code, then to the extent any payment or benefit that the Executive becomes entitled to under this Agreement or otherwise on account of the Executive's separation from service would be considered deferred compensation otherwise subject to the 20 percent additional tax imposed pursuant to Section 409A(a) of the Code as a result of the application of Section 409A(a)(2)(B)(i) of the Code, such payment shall not be payable and such benefit shall not be provided until the date that is the earlier of (i) six months and one day after the Executive's separation from service, or (ii) the Executive's death. If any such delayed cash payment is otherwise payable on an installment basis, the first payment shall include a catch-up payment covering amounts that would otherwise have been paid during the six-month period but for the application of this provision, and the balance of the installments shall be payable in accordance with their original schedule.

(b) All in-kind benefits provided and expenses eligible for reimbursement under this Agreement shall be provided by the Company or incurred by the Executive during the time periods set forth in this Agreement. All reimbursements shall be paid as soon as administratively practicable, but in no event shall any reimbursement be paid after the last day of the taxable year following the taxable year in which the expense was incurred. The amount of in-kind benefits provided or reimbursable expenses incurred in one taxable year shall not affect the in-kind benefits to be provided or the expenses eligible for reimbursement in any other taxable year (except for any lifetime or other aggregate limitation applicable to medical expenses). Such right to reimbursement or in-kind benefits is not subject to liquidation or exchange for another benefit.

(c) To the extent that any payment or benefit described in this Agreement constitutes "non-qualified deferred compensation" under Section 409A of the Code, and to the extent that such payment or benefit is payable upon the Executive's termination of employment, then such payments or benefits shall be payable only upon the Executive's "separation from service." The determination of whether and when a separation from service has occurred shall be made in accordance with the presumptions set forth in Treasury Regulation Section 1.409A-1(h).

(d) The parties intend that this Agreement will be administered in accordance with Section 409A of the Code. To the extent that any provision of this Agreement is ambiguous as to its compliance with Section 409A of the Code, the provision shall be read in such a manner so that all payments hereunder comply with Section 409A of the Code. Each payment pursuant to this Agreement or the Restrictive Covenants Agreement is intended to constitute a separate payment for purposes of Treasury Regulation Section 1.409A-2(b)(2). The parties agree that this Agreement may be amended, as reasonably requested by either party, and as may be necessary to fully comply with Section 409A of the Code and all related rules and regulations in order to preserve the payments and benefits provided hereunder without additional cost to either party.

(e) The Company makes no representation or warranty and shall have no liability to the Executive or any other person if any provisions of this Agreement are determined to constitute deferred compensation subject to Section 409A of the Code but do not satisfy an exemption from, or the conditions of, such Section.

8. Continuing Obligations.

(a) Restrictive Covenants Agreement. The terms of the Confidentiality and Proprietary Rights Agreement, dated July 23, 2018 (the "Restrictive Covenants Agreement"), between the Company and the Executive, attached hereto as Exhibit A, continue to be in full force and effect. For the avoidance of doubt, the term "Company" in the Restrictive Covenants Agreement means Absci Corporation, including its subsidiaries and other affiliates and its and their predecessors, successors and assigns. For purposes of this Agreement, the obligations in this Section 8 and those that arise in the Restrictive Covenants Agreement and any other agreement relating to confidentiality, assignment of inventions, or other restrictive covenants shall collectively be referred to as the "Continuing Obligations."

(b) Noncompetition. In consideration for the increase of the Executive's Base Salary and Target Bonus provided for in this Agreement, such increases the Executive acknowledges the Executive would not otherwise be entitled to receive and are independent of the Executive's continued employment with the Company, and in order to protect the Company's Confidential Information (as defined in the Restrictive Covenants Agreement) and goodwill, during the Executive's employment with the Company and for the 12 months following the Date of Termination (the "Restricted Period"), the Executive shall not, directly or indirectly, anywhere in the Business Territory (as defined below), engage, participate or invest in any Competing Business (as defined below). "Competing Business" means a business, person, entity, joint venture, facility, partnership, association or other organization that develops, manufactures or markets any products, or performs any services, that involve synthetic biology and/or artificial intelligence-based drug design. "Business Territory" means anywhere in the geographic areas of the United States in which the Company conducted business at any time during the 12 months prior to the Date of Termination. If the Executive's employment with the Company ends due to a layoff (which, to avoid doubt, means a termination of the Executive's employment solely due to economic reasons and not due to the Company's dissatisfaction with the Executive's performance or misconduct or another applicable reason) and the Company does not expressly waive in writing its right to enforce this Section 8(b), then, during the Restricted Period, the Company shall provide the Executive with compensation, payable in installments during the Restricted Period according to the Company's regular payroll schedule, in an amount equal to the Executive's Base Salary in effect as of the Date of Termination, less any compensation the Executive earns through subsequent employment or other business engagements during the Restricted Period ("Garden Leave Pay"). In the event the Executive receives Garden Leave Pay, the Executive agrees to report promptly to the Company any compensation the Executive earns through subsequent employment or other business engagements during the Restricted Period. The provisions of this Section 8(b) shall only be in effect if the Executive's Earnings from the Company exceed the minimum threshold required for an enforceable noncompetition covenant under Washington law, as such "Earnings" are defined and calculated under the Washington's law regarding noncompetition agreements, RCW 49.62.005 to 49.62.900. The Executive understands that this Section 8(b) may become enforceable against the Executive in the future if the Executive's Earnings exceed such threshold in the future even if the Executive's Earnings do not exceed such threshold upon hire or at other times during the Executive's employment. The Company may waive its right to enforce this Section 8(b) at any time in writing, and such waiver shall render this Section 8(b) null and void and shall not affect the Company's right to enforce any other part of this Agreement or the Restrictive Covenants Agreement. This Section 8(b) amends and restates in its entirety Section 8 (Noncompetition) of the Restrictive Covenants Agreement.

(c) Third-Party Agreements and Rights. The Executive hereby confirms that the Executive is not bound by the terms of any agreement with any previous employer or other party which restricts in any way the Executive's use or disclosure of information, other than confidentiality restrictions (if any), or the Executive's engagement in any business. The Executive represents to the Company that the Executive's execution of this Agreement, the Executive's employment with the Company and the performance of the Executive's proposed duties for the Company will not violate any obligations the Executive may have to any such previous employer or other party. In the Executive's work for the Company, the Executive will not disclose or make use of any information in violation of any agreements with or rights of any such previous employer or other party, and the Executive will not bring to the premises of the Company any copies or other tangible embodiments of non-public information belonging to or obtained from any such previous employment or other party.

(d) Litigation and Regulatory Cooperation. During and after the Executive's employment, the Executive shall cooperate fully with the Company in (i) the defense or prosecution of any claims or actions now in existence or which may be brought in the future against or on behalf of the Company which relate to events or occurrences that transpired while the Executive was employed by the Company, and (ii) the investigation, whether internal or external, of any matters about which the Company believes the Executive may have knowledge or information. The Executive's full cooperation in connection with such claims, actions or investigations shall include, but not be limited to, being available to meet with counsel to answer questions or to prepare for discovery or trial and to act as a witness on behalf of the Company at mutually convenient times. During and after the Executive's employment, the Executive also shall cooperate fully with the Company in connection with any investigation or review of any federal, state or local regulatory authority as any such investigation or review relates to events or occurrences that transpired while the Executive was employed by the Company. The Company shall reimburse the Executive for any reasonable out-of-pocket expenses incurred in connection with the Executive's performance of obligations pursuant to this Section 8(d).

(e) Relief. The Executive agrees that it would be difficult to measure any damages caused to the Company which might result from any breach by the Executive of the Continuing Obligations, and that in any event money damages would be an inadequate remedy for any such breach. Accordingly, the Executive agrees that if the Executive breaches, or proposes to breach, any portion of the Continuing Obligations, the Company shall be entitled, in addition to all other remedies that it may have, to an injunction or other appropriate equitable relief to restrain any such breach without showing or proving any actual damage to the Company.

9. Consent to Jurisdiction. The parties hereby consent to the jurisdiction of the state and federal courts of the State of Washington. Accordingly, with respect to any such court action, the Executive (a) submits to the exclusive personal jurisdiction of such courts; (b) consents to service of process; and (c) waives any other requirement (whether imposed by statute, rule of court, or otherwise) with respect to personal jurisdiction or service of process.

10. Waiver of Jury Trial. Each of the Executive and the Company irrevocably and unconditionally WAIVES ALL RIGHT TO TRIAL BY JURY IN ANY PROCEEDING (WHETHER BASED ON CONTRACT, TORT OR OTHERWISE) ARISING OUT OF OR RELATING TO THIS AGREEMENT OR THE EXECUTIVE'S EMPLOYMENT BY THE COMPANY OR ANY AFFILIATE OF THE COMPANY, INCLUDING WITHOUT LIMITATION THE EXECUTIVE'S OR THE COMPANY'S PERFORMANCE UNDER, OR THE ENFORCEMENT OF, THIS AGREEMENT.

11. Integration. This Agreement constitutes the entire agreement between the parties with respect to the subject matter hereof and supersedes all prior agreements between the parties

concerning such subject matter, including the Prior Agreement, *provided* that the Restrictive Covenants Agreement, as amended herein, and the Equity Documents remain in full force and effect.

12. Withholding; Tax Effect. All payments made by the Company to the Executive under this Agreement shall be net of any tax or other amounts required to be withheld by the Company under applicable law. Nothing in this Agreement shall be construed to require the Company to make any payments to compensate the Executive for any adverse tax effect associated with any payments or benefits or for any deduction or withholding from any payment or benefit.

13. Assignment; Successors and Assigns. Neither the Executive nor the Company may make any assignment of this Agreement or any interest in it, by operation of law or otherwise, without the prior written consent of the other; *provided, however,* that the Company may assign its rights and obligations under this Agreement (including the Restrictive Covenants Agreement) without the Executive's consent to any affiliate or to any person or entity with whom the Company shall hereafter effect a reorganization or consolidation, into which the Company merges or to whom it transfers all or substantially all of its properties or assets; *provided, further* that if the Executive remains employed or becomes employed by the Company, the purchaser or any of their affiliates in connection with any such transaction, then the Executive shall not be entitled to any payments, benefits or vesting pursuant to Section 2(f), Section 5 or Section 6 of this Agreement solely as a result of such transaction. This Agreement shall inure to the benefit of and be binding upon the Executive and the Company, and each of the Executive's and the Company's respective successors, executors, administrators, heirs and permitted assigns. In the event of the Executive's death after the Executive's termination of employment but prior to the completion by the Company of all payments due to the Executive under this Agreement, the Company shall continue such payments to the Executive's beneficiary designated in writing to the Company prior to the Executive's death (or to the Executive's estate, if the Executive fails to make such designation).

14. Enforceability. If any portion or provision of this Agreement (including, without limitation, any portion or provision of any section of this Agreement) shall to any extent be declared illegal or unenforceable by a court of competent jurisdiction, then the remainder of this Agreement, or the application of such portion or provision in circumstances other than those as to which it is so declared illegal or unenforceable, shall not be affected thereby, and each portion and provision of this Agreement shall be valid and enforceable to the fullest extent permitted by law.

15. Survival. For the avoidance of doubt, this Agreement shall survive the termination of the Executive's employment to the extent necessary to effectuate the terms contained herein.

16. Waiver. No waiver of any provision hereof shall be effective unless made in writing and signed by the waiving party. The failure of any party to require the performance of any term or obligation of this Agreement, or the waiver by any party of any breach of this Agreement, shall not prevent any subsequent enforcement of such term or obligation or be deemed a waiver of any subsequent breach.

17. Notices. Any notices, requests, demands and other communications provided for by this Agreement shall be sufficient if in writing and delivered in person or sent by a nationally recognized overnight courier service or by registered or certified mail, postage prepaid, return receipt requested, to the Executive at the last address the Executive has filed in writing with the Company or, in the case of the Company, at its main offices, attention of the Board.

18. Amendment. This Agreement may be amended or modified only by a written instrument signed by the Executive and by a duly authorized representative of the Company.

19. Effect on Other Plans and Agreements. An election by the Executive to resign for Good Reason under the provisions of this Agreement shall not be deemed a voluntary termination of employment by the Executive for the purpose of interpreting the provisions of any of the Company's benefit plans, programs or policies. Nothing in this Agreement shall be construed to limit the rights of the Executive under the Company's benefit plans, programs or policies except as otherwise provided in Section 8 hereof, and except that the Executive shall have no rights to any severance benefits under any Company severance pay plan, offer letter or otherwise. Except for the Restrictive Covenants Agreement, in the event that the Executive is party to an agreement with the Company providing for payments or benefits under such plan or agreement and under this Agreement, the terms of this Agreement shall govern and the Executive may receive payment under this Agreement only and not both. Further, Section 5 and Section 6 of this Agreement are mutually exclusive and in no event shall the Executive be entitled to payments or benefits pursuant to both Section 5 and Section 6 of this Agreement.

20. Governing Law. This is a Washington contract and shall be construed under and be governed in all respects by the laws of the State of Washington, without giving effect to the conflict of laws principles thereof. With respect to any disputes concerning federal law, such disputes shall be determined in accordance with the law as it would be interpreted and applied by the United States Court of Appeals for the Ninth Circuit.

21. Counterparts. This Agreement may be executed in any number of counterparts, each of which when so executed and delivered shall be taken to be an original; but such counterparts shall together constitute one and the same document.

[Signature page follows]

IN WITNESS WHEREOF, the parties have executed this Agreement effective on the Effective Date.

ABSCI CORPORATION

By: /s/ Sean McClain
Its: CEO

EXECUTIVE

/s/ Matthew Weinstock
MATTHEW WEINSTOCK

EMPLOYMENT AGREEMENT

This Employment Agreement (“Agreement”) is made between Absci Corporation, a Delaware corporation (the “Company”), and Sarah Korman (the “Executive”) and is effective as of the closing of the Company’s first underwritten public offering of its equity securities pursuant to an effective registration statement under the Securities Act of 1933, as amended (the “Effective Date”). Except with respect to the Restrictive Covenants Agreement and the Equity Documents (each as defined below) and subject to Section 11, this Agreement supersedes in all respects all prior agreements between the Executive and the Company regarding the subject matter herein, including without limitation (i) the offer letter between the Executive and the Company dated May 24, 2021 (the “Prior Agreement”), and (ii) any other offer letter, employment agreement or severance agreement.

WHEREAS, the Company desires to continue to employ the Executive and the Executive desires to continue to be employed by the Company on the new terms and conditions contained herein.

NOW, THEREFORE, in consideration of the mutual covenants and agreements herein contained and other good and valuable consideration, the receipt and sufficiency of which is hereby acknowledged, the parties agree as follows:

1. Employment.

(a) Term. The Company shall employ the Executive and the Executive shall be employed by the Company pursuant to this Agreement commencing as of the Effective Date and continuing until such employment is terminated in accordance with the provisions hereof (the “Term”). The Executive’s employment with the Company shall continue to be “at will,” meaning that the Executive’s employment may be terminated by the Company or the Executive at any time and for any reason subject to the terms of this Agreement.

(b) Position and Duties. The Executive shall serve as the General Counsel of the Company and shall have such powers and duties as may from time to time be prescribed by the Chief Executive Officer (the “CEO”) or other duly authorized executive. The Executive shall devote the Executive’s full working time and efforts to the business and affairs of the Company. Notwithstanding the foregoing, the Executive may serve on other boards of directors, with the approval of the Board of Directors of the Company (the “Board”), or engage in religious, charitable or other community activities as long as such services and activities do not interfere with the Executive’s performance of the Executive’s duties to the Company.

(c) Location. The Executive’s primary work location will be in the Company’s office, currently located in Vancouver, Washington; *provided* that the Executive may be required to travel regularly for business, consistent with the Company’s business needs.

2. Compensation and Related Matters.

(a) Base Salary. The Executive’s initial base salary shall be paid at the rate of \$400,000 per year. The Executive’s base salary shall be subject to periodic review by the Board or the Compensation Committee of the Board (the “Compensation Committee”). The base salary in effect at any given time is referred to herein as “Base Salary.” The Base Salary shall be payable in a manner that is consistent with the Company’s usual payroll practices for its executive officers.

(b) Incentive Compensation. The Executive shall be eligible to receive cash incentive compensation as determined by the Board or the Compensation Committee from time to time. The Executive's initial target annual incentive compensation shall be 40 percent of the Executive's Base Salary; *provided* that any incentive compensation for calendar year 2021 will be prorated based on the commencement date of the Executive's employment. The target annual incentive compensation in effect at any given time is referred to herein as "Target Bonus." The actual amount of the Executive's annual incentive compensation, if any, shall be determined in the sole discretion of the Board or the Compensation Committee. Any annual incentive compensation will be paid no later than March 15th of the calendar year following the calendar year to which such bonus relates. Except as otherwise provided herein or as may be provided by the Board or the Compensation Committee, the Executive must be employed by the Company on the date such incentive compensation is paid in order to earn or receive any annual incentive compensation.

(c) Expenses. The Executive shall be entitled to receive prompt reimbursement for all reasonable expenses incurred by the Executive during the Term in performing services hereunder, in accordance with the policies and procedures then in effect and established by the Company for its executive officers.

(d) Other Benefits. The Executive shall be eligible to participate in or receive benefits under the Company's employee benefit plans in effect from time to time, subject to the terms of such plans.

(e) Paid Time Off. The Executive shall be entitled to take paid time off in accordance with the Company's applicable paid time off policy for executives, as may be in effect from time to time.

(f) Equity. The equity awards held by the Executive shall continue to be governed by the terms and conditions of the Company's applicable equity incentive plan(s) and the applicable award agreement(s) governing the terms of such equity awards (collectively, the "Equity Documents"). Accordingly, any equity award(s) granted to the Executive prior to the Effective Date that is/are subject to single trigger accelerated vesting pursuant to formally approved Board resolution(s) shall fully vest and become immediately exercisable upon a Change in Control in accordance with and subject to the terms of such Board resolutions(s) and the Equity Documents ("Preserved Single Trigger Acceleration"). With respect to Executive's award(s) that are not subject to Preserved Single Trigger Acceleration, and notwithstanding anything to the contrary in the Equity Documents, in the event of a termination of the Executive's employment by the Company without Cause or by the Executive for Good Reason in either event within the Change in Control Period (as such terms are defined below), all stock options and other stock-based awards held by the Executive that are subject solely to time-based vesting shall immediately accelerate and become fully vested and exercisable or nonforfeitable as of the Date of Termination (as defined below).

3. Termination. The Executive's employment hereunder may be terminated without any breach of this Agreement under the following circumstances:

(a) Death. The Executive's employment hereunder shall terminate upon death.

(b) Disability. The Company may terminate the Executive's employment if the Executive is disabled and unable to perform or expected to be unable to perform the essential functions of the Executive's then existing position or positions under this Agreement with or without reasonable accommodation for a period of 180 days (which need not be consecutive) in any 12-month period. If any question shall arise as to whether during any period the Executive is

disabled so as to be unable to perform the essential functions of the Executive's then existing position or positions with or without reasonable accommodation, the Executive may, and at the request of the Company shall, submit to the Company a certification in reasonable detail by a physician selected by the Company to whom the Executive or the Executive's guardian has no reasonable objection as to whether the Executive is so disabled or how long such disability is expected to continue, and such certification shall for the purposes of this Agreement be conclusive of the issue. The Executive shall cooperate with any reasonable request of the physician in connection with such certification. If such question shall arise and the Executive shall fail to submit such certification, the Company's determination of such issue shall be binding on the Executive. Nothing in this Section 3(b) shall be construed to waive the Executive's rights, if any, under existing law including, without limitation, the Family and Medical Leave Act of 1993, 29 U.S.C. §2601 *et seq.* and the Americans with Disabilities Act, 42 U.S.C. §12101 *et seq.*

(c) Termination by the Company for Cause. The Company may terminate the Executive's employment hereunder for Cause. For purposes of this Agreement, "Cause" shall mean any of the following:

(i) conduct by the Executive constituting a material act of misconduct in connection with the performance of the Executive's duties, including, without limitation, (A) willful failure or refusal to perform material responsibilities that have been requested by the CEO; (B) dishonesty to the CEO with respect to any material matter; or (C) misappropriation of funds or property of the Company or any of its subsidiaries or affiliates other than the occasional, customary and *de minimis* use of Company property for personal purposes;

(ii) the commission by the Executive of acts satisfying the elements of (A) any felony or (B) a misdemeanor involving moral turpitude, deceit, dishonesty or fraud;

(iii) any misconduct by the Executive, regardless of whether or not in the course of the Executive's employment, that would reasonably be expected to result in material injury or reputational harm to the Company or any of its subsidiaries or affiliates if the Executive were to continue to be employed in the same position;

(iv) continued unsatisfactory performance or non-performance by the Executive of the Executive's duties hereunder (other than by reason of the Executive's physical or mental illness, incapacity or disability) which has continued for more than 30 days following written notice of such unsatisfactory performance or non-performance from the CEO;

(v) a breach by the Executive of any of the provisions contained in Section 8 of this Agreement or the Restrictive Covenants Agreement;

(vi) a material violation by the Executive of any of the Company's written employment policies; or

(vii) the Executive's failure to cooperate with a bona fide internal investigation or an investigation by regulatory or law enforcement authorities, after being instructed by the Company to cooperate, or the willful destruction or failure to preserve documents or other materials known to be relevant to such investigation or the inducement of others to fail to cooperate or to produce documents or other materials in connection with such investigation.

(d) Termination by the Company without Cause. The Company may terminate the Executive's employment hereunder at any time without Cause. Any termination by the Company of the Executive's employment under this Agreement which does not constitute a

termination for Cause under Section 3(c) and does not result from the death or disability of the Executive under Section 3(a) or (b) shall be deemed a termination without Cause.

(e) Termination by the Executive. The Executive may terminate employment hereunder at any time for any reason, including but not limited to, Good Reason. For purposes of this Agreement, “Good Reason” shall mean that the Executive has completed all steps of the Good Reason Process (hereinafter defined) following the occurrence of any of the following events without the Executive’s consent (each, a “Good Reason Condition”):

- (i) a material diminution in the Executive’s responsibilities, authority or duties during the Change in Control Period;
- (ii) a material diminution in the Executive’s Base Salary except for across-the-board salary reductions based on the Company’s financial performance similarly affecting all or substantially all senior management employees of the Company; or
- (iii) a material breach of this Agreement by the Company.

The “Good Reason Process” consists of the following steps:

- (i) the Executive reasonably determines in good faith that a Good Reason Condition has occurred;
- (ii) the Executive notifies the Company in writing of the first occurrence of the Good Reason Condition within 60 days of the first occurrence of such condition;
- (iii) the Executive cooperates in good faith with the Company’s efforts, for a period of not less than 30 days following such notice (the “Cure Period”), to remedy the Good Reason Condition;
- (iv) notwithstanding such efforts, the Good Reason Condition continues to exist at the end of the Cure Period; and
- (v) the Executive terminates employment within 60 days after the end of the Cure Period.

If the Company cures the Good Reason Condition during the Cure Period, Good Reason shall be deemed not to have occurred.

4. Matters Related to Termination.

(a) Notice of Termination. Except for termination as specified in Section 3(a), any termination of the Executive’s employment by the Company or any such termination by the Executive shall be communicated by written Notice of Termination to the other party hereto. For purposes of this Agreement, a “Notice of Termination” shall mean a notice which shall indicate the specific termination provision in this Agreement relied upon.

(b) Date of Termination. “Date of Termination” shall mean: (i) if the Executive’s employment is terminated by death, the date of death; (ii) if the Executive’s employment is terminated on account of disability under Section 3(b) or by the Company for Cause under Section 3(c), the date on which Notice of Termination is given; (iii) if the Executive’s employment is terminated by the Company without Cause under Section 3(d), the

date on which a Notice of Termination is given or the date otherwise specified by the Company in the Notice of Termination; (iv) if the Executive's employment is terminated by the Executive under Section 3(e) other than for Good Reason, 30 days after the date on which a Notice of Termination is given, and (v) if the Executive's employment is terminated by the Executive under Section 3(e) for Good Reason, the date on which a Notice of Termination is given after the end of the Cure Period. Notwithstanding the foregoing, in the event that the Executive gives a Notice of Termination to the Company, the Company may unilaterally accelerate the Date of Termination and such acceleration shall not result in a termination by the Company for purposes of this Agreement.

(c) Accrued Obligations. If the Executive's employment with the Company is terminated for any reason, the Company shall pay or provide to the Executive (or to the Executive's authorized representative or estate) (i) any Base Salary earned through the Date of Termination and, if applicable, any accrued but unused vacation through the Date of Termination; (ii) unpaid expense reimbursements (subject to, and in accordance with, Section 2(c) of this Agreement); and (iii) any vested benefits the Executive may have under any employee benefit plan of the Company through the Date of Termination, which vested benefits shall be paid and/or provided in accordance with the terms of such employee benefit plans (collectively, the "Accrued Obligations").

(d) Resignation of All Other Positions. To the extent applicable, the Executive shall be deemed to have resigned from all officer and board member positions that the Executive holds with the Company or any of its respective subsidiaries and affiliates upon the termination of the Executive's employment for any reason. The Executive shall execute any documents in reasonable form as may be requested to confirm or effectuate any such resignations.

5. Severance Pay and Benefits Upon Termination by the Company without Cause or by the Executive for Good Reason Outside the Change in Control Period. If the Executive's employment is terminated by the Company without Cause as provided in Section 3(d), or the Executive terminates employment for Good Reason as provided in Section 3(e)(ii) or (iii), in each case outside of the Change in Control Period, then, in addition to the Accrued Obligations, and subject to (i) the Executive signing a separation agreement and release in a form and manner satisfactory to the Company, which shall include, without limitation, a general release of claims against the Company and all related persons and entities that shall not release the Executive's rights under this Agreement, a reaffirmation of all of the Executive's Continuing Obligations (as defined below), and, in the Company's sole discretion, a one-year post-employment noncompetition agreement, and shall provide that if the Executive breaches any of the Continuing Obligations, all payments of the Severance Amount shall immediately cease (the "Separation Agreement"), and (ii) the Separation Agreement becoming irrevocable, all within 60 days after the Date of Termination (or such shorter period as set forth in the Separation Agreement), which shall include a seven (7) business day revocation period:

(a) the Company shall pay the Executive an amount equal to 9 months of the Executive's Base Salary (the "Severance Amount"); *provided* that in the event the Executive is entitled to Garden Leave Pay (as defined below), the Severance Amount received in any calendar year will be reduced by the amount of Garden Leave Pay the Executive is paid in the same such calendar year (the "Garden Leave Pay Setoff"); and

(b) subject to the Executive's copayment of premium amounts at the applicable active employees' rate and the Executive's proper election to receive benefits under the Consolidated Omnibus Budget Reconciliation Act of 1985, as amended ("COBRA"), the Company shall pay to the group health plan provider or the COBRA provider a monthly payment equal to the monthly employer contribution that the Company would have made to provide

health insurance to the Executive if the Executive had remained employed by the Company until the earliest of (i) the 9-month anniversary of the Date of Termination; (ii) the date that the Executive becomes eligible for group medical plan benefits under any other employer's group medical plan; or (iii) the cessation of the Executive's health continuation rights under COBRA; *provided, however*, that if the Company determines that it cannot pay such amounts to the group health plan provider or the COBRA provider (if applicable) without potentially violating applicable law (including, without limitation, Section 2716 of the Public Health Service Act), then the Company shall convert such payments to payroll payments directly to the Executive for the time period specified above. Such payments to the Executive shall be subject to tax-related deductions and withholdings and paid on the Company's regular payroll dates.

The amounts payable under Section 5, to the extent taxable, shall be paid out in substantially equal installments in accordance with the Company's payroll practice over 9 months commencing within 60 days after the Date of Termination; *provided, however*, that if the 60-day period begins in one calendar year and ends in a second calendar year, such payments, to the extent they qualify as "non-qualified deferred compensation" within the meaning of Section 409A of the Internal Revenue Code of 1986, as amended (the "Code"), shall begin to be paid in the second calendar year by the last day of such 60-day period; *provided, further*, that the initial payment shall include a catch-up payment to cover amounts retroactive to the day immediately following the Date of Termination. Each payment pursuant to this Agreement is intended to constitute a separate payment for purposes of Treasury Regulation Section 1.409A-2(b)(2).

6. Severance Pay and Benefits Upon Termination by the Company without Cause or by the Executive for Good Reason within the Change in Control Period. The provisions of this Section 6 shall apply in lieu of, and expressly supersede, the provisions of Section 5 if (i) the Executive's employment is terminated either (a) by the Company without Cause as provided in Section 3(d), or (b) by the Executive for Good Reason as provided in Section 3(e), and (ii) the Date of Termination is on or within 12 months after the occurrence of the first event constituting a Change in Control (such period, the "Change in Control Period"). These provisions shall terminate and be of no further force or effect after the Change in Control Period.

(a) If the Executive's employment is terminated by the Company without Cause as provided in Section 3(d) or the Executive terminates employment for Good Reason as provided in Section 3(e) and in each case the Date of Termination occurs during the Change in Control Period, then, in addition to the Accrued Obligations, and subject to the signing of a general release of claims against the Company and all related persons and entities that shall not release the Executive's rights under this Agreement (the "Release") by the Executive and the Release becoming fully effective, all within the time frame set forth in the Release but in no event more than 60 days after the Date of Termination:

(i) the Company shall pay the Executive a lump sum in cash in an amount equal to the sum of (A) 12 months of the Executive's then-current Base Salary (or the Executive's Base Salary in effect immediately prior to the Change in Control, if higher) plus (B) 1.0 times the Executive's Target Bonus for the then-current year (or the Executive's Target Bonus in effect immediately prior to the Change in Control, if higher) (the "Change in Control Payment"); *provided* that the Change in Control Payment shall be reduced by the amount of the Garden Leave Pay Setoff, if applicable; and

(ii) subject to the Executive's copayment of premium amounts at the applicable active employees' rate and the Executive's proper election to receive benefits under COBRA, the Company shall pay to the group health plan provider or the COBRA provider a monthly payment equal to the monthly employer contribution that the Company would have made to provide health insurance to the Executive if the Executive had remained employed by the Company until the earliest of (A) the 12-month

anniversary of the Date of Termination; (B) the date that the Executive becomes eligible for group medical plan benefits under any other employer's group medical plan; or (C) the cessation of the Executive's health continuation rights under COBRA; *provided, however*, that if the Company determines that it cannot pay such amounts to the group health plan provider or the COBRA provider (if applicable) without potentially violating applicable law (including, without limitation, Section 2716 of the Public Health Service Act), then the Company shall convert such payments to payroll payments directly to the Executive for the time period specified above. Such payments to the Executive shall be subject to tax-related deductions and withholdings and paid on the Company's regular payroll dates.

The amounts payable under this Section 6(a), to the extent taxable, shall be paid or commence to be paid within 60 days after the Date of Termination; *provided, however*, that if the 60-day period begins in one calendar year and ends in a second calendar year, such payments to the extent they qualify as "non-qualified deferred compensation" within the meaning of Section 409A of the Code, shall be paid or commence to be paid in the second calendar year by the last day of such 60-day period.

(b) Additional Limitation.

(i) Anything in this Agreement to the contrary notwithstanding, in the event that the amount of any compensation, payment or distribution by the Company to or for the benefit of the Executive, whether paid or payable or distributed or distributable pursuant to the terms of this Agreement or otherwise, calculated in a manner consistent with Section 280G of the Code, and the applicable regulations thereunder (the "Aggregate Payments"), would be subject to the excise tax imposed by Section 4999 of the Code, then the Aggregate Payments shall be reduced (but not below zero) so that the sum of all of the Aggregate Payments shall be \$1.00 less than the amount at which the Executive becomes subject to the excise tax imposed by Section 4999 of the Code; *provided* that such reduction shall only occur if it would result in the Executive receiving a higher After Tax Amount (as defined below) than the Executive would receive if the Aggregate Payments were not subject to such reduction. In such event, the Aggregate Payments shall be reduced in the following order, in each case, in reverse chronological order beginning with the Aggregate Payments that are to be paid the furthest in time from consummation of the transaction that is subject to Section 280G of the Code: (A) cash payments not subject to Section 409A of the Code; (B) cash payments subject to Section 409A of the Code; (C) equity-based payments and acceleration; and (D) non-cash forms of benefits; *provided* that in the case of all the foregoing Aggregate Payments all amounts or payments that are not subject to calculation under Treas. Reg. §1.280G-1, Q&A-24(b) or (c) shall be reduced before any amounts that are subject to calculation under Treas. Reg. §1.280G-1, Q&A-24(b) or (c).

(ii) For purposes of this Section 6(b), the "After Tax Amount" means the amount of the Aggregate Payments less all federal, state, and local income, excise and employment taxes imposed on the Executive as a result of the Executive's receipt of the Aggregate Payments. For purposes of determining the After Tax Amount, the Executive shall be deemed to pay federal income taxes at the highest marginal rate of federal income taxation applicable to individuals for the calendar year in which the determination is to be made, and state and local income taxes at the highest marginal rates of individual taxation in each applicable state and locality, net of the maximum reduction in federal income taxes which could be obtained from deduction of such state and local taxes.

(iii) The determination as to whether a reduction in the Aggregate Payments shall be made pursuant to Section 6(b)(i) shall be made by a nationally

recognized accounting firm selected by the Company (the “Accounting Firm”), which shall provide detailed supporting calculations both to the Company and the Executive within 15 business days of the Date of Termination, if applicable, or at such earlier time as is reasonably requested by the Company or the Executive. Any determination by the Accounting Firm shall be binding upon the Company and the Executive.

(c) Definitions. For purposes of this Agreement, “Change in Control” shall mean a “Sale Event” as defined in the Company’s 2021 Stock Option and Incentive Plan, as the same may be amended from time to time.

7. Section 409A.

(a) Anything in this Agreement to the contrary notwithstanding, if at the time of the Executive’s separation from service within the meaning of Section 409A of the Code, the Company determines that the Executive is a “specified employee” within the meaning of Section 409A(a)(2)(B)(i) of the Code, then to the extent any payment or benefit that the Executive becomes entitled to under this Agreement or otherwise on account of the Executive’s separation from service would be considered deferred compensation otherwise subject to the 20 percent additional tax imposed pursuant to Section 409A(a) of the Code as a result of the application of Section 409A(a)(2)(B)(i) of the Code, such payment shall not be payable and such benefit shall not be provided until the date that is the earlier of (i) six months and one day after the Executive’s separation from service, or (ii) the Executive’s death. If any such delayed cash payment is otherwise payable on an installment basis, the first payment shall include a catch-up payment covering amounts that would otherwise have been paid during the six-month period but for the application of this provision, and the balance of the installments shall be payable in accordance with their original schedule.

(b) All in-kind benefits provided and expenses eligible for reimbursement under this Agreement shall be provided by the Company or incurred by the Executive during the time periods set forth in this Agreement. All reimbursements shall be paid as soon as administratively practicable, but in no event shall any reimbursement be paid after the last day of the taxable year following the taxable year in which the expense was incurred. The amount of in-kind benefits provided or reimbursable expenses incurred in one taxable year shall not affect the in-kind benefits to be provided or the expenses eligible for reimbursement in any other taxable year (except for any lifetime or other aggregate limitation applicable to medical expenses). Such right to reimbursement or in-kind benefits is not subject to liquidation or exchange for another benefit.

(c) To the extent that any payment or benefit described in this Agreement constitutes “non-qualified deferred compensation” under Section 409A of the Code, and to the extent that such payment or benefit is payable upon the Executive’s termination of employment, then such payments or benefits shall be payable only upon the Executive’s “separation from service.” The determination of whether and when a separation from service has occurred shall be made in accordance with the presumptions set forth in Treasury Regulation Section 1.409A-1(h).

(d) The parties intend that this Agreement will be administered in accordance with Section 409A of the Code. To the extent that any provision of this Agreement is ambiguous as to its compliance with Section 409A of the Code, the provision shall be read in such a manner so that all payments hereunder comply with Section 409A of the Code. Each payment pursuant to this Agreement or the Restrictive Covenants Agreement is intended to constitute a separate payment for purposes of Treasury Regulation Section 1.409A-2(b)(2). The parties agree that this Agreement may be amended, as reasonably requested by either party, and as may be necessary to

fully comply with Section 409A of the Code and all related rules and regulations in order to preserve the payments and benefits provided hereunder without additional cost to either party.

(e) The Company makes no representation or warranty and shall have no liability to the Executive or any other person if any provisions of this Agreement are determined to constitute deferred compensation subject to Section 409A of the Code but do not satisfy an exemption from, or the conditions of, such Section.

8. Continuing Obligations.

(a) Restrictive Covenants Agreement. The terms of the Confidentiality and Proprietary Rights Agreement, dated May 26, 2021 (the "Restrictive Covenants Agreement"), between the Company and the Executive, attached hereto as Exhibit A, continue to be in full force and effect. For the avoidance of doubt, the term "Company" in the Restrictive Covenants Agreement means Absci Corporation, including its subsidiaries and other affiliates and its and their predecessors, successors and assigns. For purposes of this Agreement, the obligations in this Section 8 and those that arise in the Restrictive Covenants Agreement and any other agreement relating to confidentiality, assignment of inventions, or other restrictive covenants shall collectively be referred to as the "Continuing Obligations."

(b) Noncompetition. In consideration for the increase of the Executive's Base Salary and Target Bonus provided for in this Agreement, such increases the Executive acknowledges the Executive would not otherwise be entitled to receive and are independent of the Executive's continued employment with the Company, and in order to protect the Company's Confidential Information (as defined in the Restrictive Covenants Agreement) and goodwill, during the Executive's employment with the Company and for the 12 months following the Date of Termination (the "Restricted Period"), the Executive shall not, directly or indirectly, anywhere in the Business Territory (as defined below), engage, participate or invest in any Competing Business (as defined below). "Competing Business" means a business, person, entity, joint venture, facility, partnership, association or other organization that develops, manufactures or markets any products, or performs any services, that involve synthetic biology and/or artificial intelligence-based drug design. "Business Territory" means anywhere in the geographic areas of the United States in which the Company conducted business at any time during the 12 months prior to the Date of Termination. If the Executive's employment with the Company ends due to a layoff (which, to avoid doubt, means a termination of the Executive's employment solely due to economic reasons and not due to the Company's dissatisfaction with the Executive's performance or misconduct or another applicable reason) and the Company does not expressly waive in writing its right to enforce this Section 8(b), then, during the Restricted Period, the Company shall provide the Executive with compensation, payable in installments during the Restricted Period according to the Company's regular payroll schedule, in an amount equal to the Executive's Base Salary in effect as of the Date of Termination, less any compensation the Executive earns through subsequent employment or other business engagements during the Restricted Period ("Garden Leave Pay"). In the event the Executive receives Garden Leave Pay, the Executive agrees to report promptly to the Company any compensation the Executive earns through subsequent employment or other business engagements during the Restricted Period. The provisions of this Section 8(b) shall only be in effect if the Executive's Earnings from the Company exceed the minimum threshold required for an enforceable noncompetition covenant under Washington law, as such "Earnings" are defined and calculated under the Washington's law regarding noncompetition agreements, RCW 49.62.005 to 49.62.900. The Executive understands that this Section 8(b) may become enforceable against the Executive in the future if the Executive's Earnings exceed such threshold in the future even if the Executive's Earnings do not exceed such threshold upon hire or at other times during the Executive's employment. The Company may waive its right to enforce this Section 8(b) at any time in writing, and such waiver shall render this Section 8(b) null and void and shall not affect the Company's right to enforce

any other part of this Agreement or the Restrictive Covenants Agreement. The Executive's obligations under this Section 8(b) following the Date of Termination shall be interpreted so as not to (i) restrict, in violation of the Washington Rules of Professional Conduct (the "Rules"), the Executive's right to practice law following the Date of Termination or (ii) expand, in violation of the Rules, the scope of the Executive's duty to maintain the confidentiality of privileged and/or confidential information. Nothing contained in this Agreement, however, shall be (A) interpreted to restrict or otherwise alter or terminate any obligation under the Rules or otherwise that the Executive owes to the Company or (B) construed as a waiver by the Company of an attorney-client privilege.

(c) Third-Party Agreements and Rights. The Executive hereby confirms that the Executive is not bound by the terms of any agreement with any previous employer or other party which restricts in any way the Executive's use or disclosure of information, other than confidentiality restrictions (if any), or the Executive's engagement in any business. The Executive represents to the Company that the Executive's execution of this Agreement, the Executive's employment with the Company and the performance of the Executive's proposed duties for the Company will not violate any obligations the Executive may have to any such previous employer or other party. In the Executive's work for the Company, the Executive will not disclose or make use of any information in violation of any agreements with or rights of any such previous employer or other party, and the Executive will not bring to the premises of the Company any copies or other tangible embodiments of non-public information belonging to or obtained from any such previous employment or other party.

(d) Litigation and Regulatory Cooperation. During and after the Executive's employment, the Executive shall cooperate fully with the Company in (i) the defense or prosecution of any claims or actions now in existence or which may be brought in the future against or on behalf of the Company which relate to events or occurrences that transpired while the Executive was employed by the Company, and (ii) the investigation, whether internal or external, of any matters about which the Company believes the Executive may have knowledge or information. The Executive's full cooperation in connection with such claims, actions or investigations shall include, but not be limited to, being available to meet with counsel to answer questions or to prepare for discovery or trial and to act as a witness on behalf of the Company at mutually convenient times. During and after the Executive's employment, the Executive also shall cooperate fully with the Company in connection with any investigation or review of any federal, state or local regulatory authority as any such investigation or review relates to events or occurrences that transpired while the Executive was employed by the Company. The Company shall reimburse the Executive for any reasonable out-of-pocket expenses incurred in connection with the Executive's performance of obligations pursuant to this Section 8(d).

(e) Relief. The Executive agrees that it would be difficult to measure any damages caused to the Company which might result from any breach by the Executive of the Continuing Obligations, and that in any event money damages would be an inadequate remedy for any such breach. Accordingly, the Executive agrees that if the Executive breaches, or proposes to breach, any portion of the Continuing Obligations, the Company shall be entitled, in addition to all other remedies that it may have, to an injunction or other appropriate equitable relief to restrain any such breach without showing or proving any actual damage to the Company.

9. Consent to Jurisdiction. The parties hereby consent to the jurisdiction of the state and federal courts of the State of Washington. Accordingly, with respect to any such court action, the Executive (a) submits to the exclusive personal jurisdiction of such courts; (b) consents to service of process; and (c) waives any other requirement (whether imposed by statute, rule of court, or otherwise) with respect to personal jurisdiction or service of process.

10. Waiver of Jury Trial. Each of the Executive and the Company irrevocably and unconditionally WAIVES ALL RIGHT TO TRIAL BY JURY IN ANY PROCEEDING (WHETHER BASED ON CONTRACT, TORT OR OTHERWISE) ARISING OUT OF OR RELATING TO THIS AGREEMENT OR THE EXECUTIVE'S EMPLOYMENT BY THE COMPANY OR ANY AFFILIATE OF THE COMPANY, INCLUDING WITHOUT LIMITATION THE EXECUTIVE'S OR THE COMPANY'S PERFORMANCE UNDER, OR THE ENFORCEMENT OF, THIS AGREEMENT.

11. Integration. This Agreement constitutes the entire agreement between the parties with respect to the subject matter hereof and supersedes all prior agreements between the parties concerning such subject matter, including the Prior Agreement, *provided* that the Restrictive Covenants Agreement and the Equity Documents remain in full force and effect.

12. Withholding; Tax Effect. All payments made by the Company to the Executive under this Agreement shall be net of any tax or other amounts required to be withheld by the Company under applicable law. Nothing in this Agreement shall be construed to require the Company to make any payments to compensate the Executive for any adverse tax effect associated with any payments or benefits or for any deduction or withholding from any payment or benefit.

13. Assignment; Successors and Assigns. Neither the Executive nor the Company may make any assignment of this Agreement or any interest in it, by operation of law or otherwise, without the prior written consent of the other; *provided, however,* that the Company may assign its rights and obligations under this Agreement (including the Restrictive Covenants Agreement) without the Executive's consent to any affiliate or to any person or entity with whom the Company shall hereafter effect a reorganization or consolidation, into which the Company merges or to whom it transfers all or substantially all of its properties or assets; *provided, further* that if the Executive remains employed or becomes employed by the Company, the purchaser or any of their affiliates in connection with any such transaction, then the Executive shall not be entitled to any payments, benefits or vesting pursuant to Section 2(f), Section 5 or Section 6 of this Agreement solely as a result of such transaction. This Agreement shall inure to the benefit of and be binding upon the Executive and the Company, and each of the Executive's and the Company's respective successors, executors, administrators, heirs and permitted assigns. In the event of the Executive's death after the Executive's termination of employment but prior to the completion by the Company of all payments due to the Executive under this Agreement, the Company shall continue such payments to the Executive's beneficiary designated in writing to the Company prior to the Executive's death (or to the Executive's estate, if the Executive fails to make such designation).

14. Enforceability. If any portion or provision of this Agreement (including, without limitation, any portion or provision of any section of this Agreement) shall to any extent be declared illegal or unenforceable by a court of competent jurisdiction, then the remainder of this Agreement, or the application of such portion or provision in circumstances other than those as to which it is so declared illegal or unenforceable, shall not be affected thereby, and each portion and provision of this Agreement shall be valid and enforceable to the fullest extent permitted by law.

15. Survival. For the avoidance of doubt, this Agreement shall survive the termination of the Executive's employment to the extent necessary to effectuate the terms contained herein.

16. Waiver. No waiver of any provision hereof shall be effective unless made in writing and signed by the waiving party. The failure of any party to require the performance of any term or obligation of this Agreement, or the waiver by any party of any breach of this

Agreement, shall not prevent any subsequent enforcement of such term or obligation or be deemed a waiver of any subsequent breach.

17. Notices. Any notices, requests, demands and other communications provided for by this Agreement shall be sufficient if in writing and delivered in person or sent by a nationally recognized overnight courier service or by registered or certified mail, postage prepaid, return receipt requested, to the Executive at the last address the Executive has filed in writing with the Company or, in the case of the Company, at its main offices, attention of the Board.

18. Amendment. This Agreement may be amended or modified only by a written instrument signed by the Executive and by a duly authorized representative of the Company.

19. Effect on Other Plans and Agreements. An election by the Executive to resign for Good Reason under the provisions of this Agreement shall not be deemed a voluntary termination of employment by the Executive for the purpose of interpreting the provisions of any of the Company's benefit plans, programs or policies. Nothing in this Agreement shall be construed to limit the rights of the Executive under the Company's benefit plans, programs or policies except as otherwise provided in Section 8 hereof, and except that the Executive shall have no rights to any severance benefits under any Company severance pay plan, offer letter or otherwise. Except for the Restrictive Covenants Agreement, in the event that the Executive is party to an agreement with the Company providing for payments or benefits under such plan or agreement and under this Agreement, the terms of this Agreement shall govern and the Executive may receive payment under this Agreement only and not both. Further, Section 5 and Section 6 of this Agreement are mutually exclusive and in no event shall the Executive be entitled to payments or benefits pursuant to both Section 5 and Section 6 of this Agreement.

20. Governing Law. This is a Washington contract and shall be construed under and be governed in all respects by the laws of the State of Washington, without giving effect to the conflict of laws principles thereof. With respect to any disputes concerning federal law, such disputes shall be determined in accordance with the law as it would be interpreted and applied by the United States Court of Appeals for the Ninth Circuit.

21. Counterparts. This Agreement may be executed in any number of counterparts, each of which when so executed and delivered shall be taken to be an original; but such counterparts shall together constitute one and the same document.

[Signature page follows]

IN WITNESS WHEREOF, the parties have executed this Agreement effective on the Effective Date.

ABSCI CORPORATION

By: /s/ Sean McClain
Its: CEO

EXECUTIVE

/s/ Sarah Korman
SARAH KORMAN

EMPLOYMENT AGREEMENT

This Employment Agreement (“Agreement”) is made between Absci Corporation, a Delaware corporation (the “Company”), and Nikhil Goel (the “Executive”) and is effective as of the closing of the Company’s first underwritten public offering of its equity securities pursuant to an effective registration statement under the Securities Act of 1933, as amended (the “Effective Date”). Except with respect to the Restrictive Covenants Agreement and the Equity Documents (each as defined below) and subject to Section 11, this Agreement supersedes in all respects all prior agreements between the Executive and the Company regarding the subject matter herein, including without limitation (i) the offer letter between the Executive and the Company dated May 28, 2021 (the “Prior Agreement”), and (ii) any other offer letter, employment agreement or severance agreement.

WHEREAS, the Company desires to continue to employ the Executive and the Executive desires to continue to be employed by the Company on the new terms and conditions contained herein.

NOW, THEREFORE, in consideration of the mutual covenants and agreements herein contained and other good and valuable consideration, the receipt and sufficiency of which is hereby acknowledged, the parties agree as follows:

1. Employment.

(a) Term. The Company shall employ the Executive and the Executive shall be employed by the Company pursuant to this Agreement commencing as of the Effective Date and continuing until such employment is terminated in accordance with the provisions hereof (the “Term”). The Executive’s employment with the Company shall continue to be “at will,” meaning that the Executive’s employment may be terminated by the Company or the Executive at any time and for any reason subject to the terms of this Agreement.

(b) Position and Duties. The Executive shall serve as the Chief Business Officer of the Company and shall have such powers and duties as may from time to time be prescribed by the Chief Executive Officer (the “CEO”) or other duly authorized executive. The Executive shall devote the Executive’s full working time and efforts to the business and affairs of the Company. Notwithstanding the foregoing, the Executive may serve on other boards of directors, with the approval of the Board of Directors of the Company (the “Board”), or engage in religious, charitable or other community activities as long as such services and activities do not interfere with the Executive’s performance of the Executive’s duties to the Company.

(c) Location. The Executive’s primary work location will be in the Company’s office, currently located in Vancouver, Washington; *provided* that the Executive may be required to travel regularly for business, consistent with the Company’s business needs.

2. Compensation and Related Matters.

(a) Base Salary. The Executive’s initial base salary shall be paid at the rate of \$400,000 per year. The Executive’s base salary shall be subject to periodic review by the Board or the Compensation Committee of the Board (the “Compensation Committee”). The base salary in effect at any given time is referred to herein as “Base Salary.” The Base Salary shall be payable in a manner that is consistent with the Company’s usual payroll practices for its executive officers.

(b) Incentive Compensation. The Executive shall be eligible to receive cash incentive compensation as determined by the Board or the Compensation Committee from time to time. The Executive's initial target annual incentive compensation shall be 40 percent of the Executive's Base Salary; *provided* that any incentive compensation for calendar year 2021 will be prorated based on the commencement date of the Executive's employment. The target annual incentive compensation in effect at any given time is referred to herein as "Target Bonus." The actual amount of the Executive's annual incentive compensation, if any, shall be determined in the sole discretion of the Board or the Compensation Committee. Any annual incentive compensation will be paid no later than March 15th of the calendar year following the calendar year to which such bonus relates. Except as otherwise provided herein or as may be provided by the Board or the Compensation Committee, the Executive must be employed by the Company on the date such incentive compensation is paid in order to earn or receive any annual incentive compensation.

(c) Expenses. The Executive shall be entitled to receive prompt reimbursement for all reasonable expenses incurred by the Executive during the Term in performing services hereunder, in accordance with the policies and procedures then in effect and established by the Company for its executive officers.

(d) Other Benefits. The Executive shall be eligible to participate in or receive benefits under the Company's employee benefit plans in effect from time to time, subject to the terms of such plans.

(e) Paid Time Off. The Executive shall be entitled to take paid time off in accordance with the Company's applicable paid time off policy for executives, as may be in effect from time to time.

(f) Equity. The equity awards held by the Executive shall continue to be governed by the terms and conditions of the Company's applicable equity incentive plan(s) and the applicable award agreement(s) governing the terms of such equity awards (collectively, the "Equity Documents"). Accordingly, any equity award(s) granted to the Executive prior to the Effective Date that is/are subject to single trigger accelerated vesting pursuant to formally approved Board resolution(s) shall fully vest and become immediately exercisable upon a Change in Control in accordance with and subject to the terms of such Board resolutions(s) and the Equity Documents ("Preserved Single Trigger Acceleration"). With respect to Executive's award(s) that are not subject to Preserved Single Trigger Acceleration, and notwithstanding anything to the contrary in the Equity Documents, in the event of a termination of the Executive's employment by the Company without Cause or by the Executive for Good Reason in either event within the Change in Control Period (as such terms are defined below), all stock options and other stock-based awards held by the Executive that are subject solely to time-based vesting shall immediately accelerate and become fully vested and exercisable or nonforfeitable as of the Date of Termination (as defined below).

3. Termination. The Executive's employment hereunder may be terminated without any breach of this Agreement under the following circumstances:

(a) Death. The Executive's employment hereunder shall terminate upon death.

(b) Disability. The Company may terminate the Executive's employment if the Executive is disabled and unable to perform or expected to be unable to perform the essential functions of the Executive's then existing position or positions under this Agreement with or without reasonable accommodation for a period of 180 days (which need not be consecutive) in any 12-month period. If any question shall arise as to whether during any period the Executive is

disabled so as to be unable to perform the essential functions of the Executive's then existing position or positions with or without reasonable accommodation, the Executive may, and at the request of the Company shall, submit to the Company a certification in reasonable detail by a physician selected by the Company to whom the Executive or the Executive's guardian has no reasonable objection as to whether the Executive is so disabled or how long such disability is expected to continue, and such certification shall for the purposes of this Agreement be conclusive of the issue. The Executive shall cooperate with any reasonable request of the physician in connection with such certification. If such question shall arise and the Executive shall fail to submit such certification, the Company's determination of such issue shall be binding on the Executive. Nothing in this Section 3(b) shall be construed to waive the Executive's rights, if any, under existing law including, without limitation, the Family and Medical Leave Act of 1993, 29 U.S.C. §2601 *et seq.* and the Americans with Disabilities Act, 42 U.S.C. §12101 *et seq.*

(c) Termination by the Company for Cause. The Company may terminate the Executive's employment hereunder for Cause. For purposes of this Agreement, "Cause" shall mean any of the following:

(i) conduct by the Executive constituting a material act of misconduct in connection with the performance of the Executive's duties, including, without limitation, (A) willful failure or refusal to perform material responsibilities that have been requested by the CEO; (B) dishonesty to the CEO with respect to any material matter; or (C) misappropriation of funds or property of the Company or any of its subsidiaries or affiliates other than the occasional, customary and *de minimis* use of Company property for personal purposes;

(ii) the commission by the Executive of acts satisfying the elements of (A) any felony or (B) a misdemeanor involving moral turpitude, deceit, dishonesty or fraud;

(iii) any misconduct by the Executive, regardless of whether or not in the course of the Executive's employment, that would reasonably be expected to result in material injury or reputational harm to the Company or any of its subsidiaries or affiliates if the Executive were to continue to be employed in the same position;

(iv) continued unsatisfactory performance or non-performance by the Executive of the Executive's duties hereunder (other than by reason of the Executive's physical or mental illness, incapacity or disability) which has continued for more than 30 days following written notice of such unsatisfactory performance or non-performance from the CEO;

(v) a breach by the Executive of any of the provisions contained in Section 8 of this Agreement or the Restrictive Covenants Agreement;

(vi) a material violation by the Executive of any of the Company's written employment policies; or

(vii) the Executive's failure to cooperate with a bona fide internal investigation or an investigation by regulatory or law enforcement authorities, after being instructed by the Company to cooperate, or the willful destruction or failure to preserve documents or other materials known to be relevant to such investigation or the inducement of others to fail to cooperate or to produce documents or other materials in connection with such investigation.

(d) Termination by the Company without Cause. The Company may terminate the Executive's employment hereunder at any time without Cause. Any termination by the Company of the Executive's employment under this Agreement which does not constitute a

termination for Cause under Section 3(c) and does not result from the death or disability of the Executive under Section 3(a) or (b) shall be deemed a termination without Cause.

(e) Termination by the Executive. The Executive may terminate employment hereunder at any time for any reason, including but not limited to, Good Reason. For purposes of this Agreement, “Good Reason” shall mean that the Executive has completed all steps of the Good Reason Process (hereinafter defined) following the occurrence of any of the following events without the Executive’s consent (each, a “Good Reason Condition”):

- (i) a material diminution in the Executive’s responsibilities, authority or duties during the Change in Control Period;
- (ii) a material diminution in the Executive’s Base Salary except for across-the-board salary reductions based on the Company’s financial performance similarly affecting all or substantially all senior management employees of the Company; or
- (iii) a material breach of this Agreement by the Company.

The “Good Reason Process” consists of the following steps:

- (i) the Executive reasonably determines in good faith that a Good Reason Condition has occurred;
- (ii) the Executive notifies the Company in writing of the first occurrence of the Good Reason Condition within 60 days of the first occurrence of such condition;
- (iii) the Executive cooperates in good faith with the Company’s efforts, for a period of not less than 30 days following such notice (the “Cure Period”), to remedy the Good Reason Condition;
- (iv) notwithstanding such efforts, the Good Reason Condition continues to exist at the end of the Cure Period; and
- (v) the Executive terminates employment within 60 days after the end of the Cure Period.

If the Company cures the Good Reason Condition during the Cure Period, Good Reason shall be deemed not to have occurred.

4. Matters Related to Termination.

(a) Notice of Termination. Except for termination as specified in Section 3(a), any termination of the Executive’s employment by the Company or any such termination by the Executive shall be communicated by written Notice of Termination to the other party hereto. For purposes of this Agreement, a “Notice of Termination” shall mean a notice which shall indicate the specific termination provision in this Agreement relied upon.

(b) Date of Termination. “Date of Termination” shall mean: (i) if the Executive’s employment is terminated by death, the date of death; (ii) if the Executive’s employment is terminated on account of disability under Section 3(b) or by the Company for Cause under Section 3(c), the date on which Notice of Termination is given; (iii) if the Executive’s employment is terminated by the Company without Cause under Section 3(d), the

date on which a Notice of Termination is given or the date otherwise specified by the Company in the Notice of Termination; (iv) if the Executive's employment is terminated by the Executive under Section 3(e) other than for Good Reason, 30 days after the date on which a Notice of Termination is given, and (v) if the Executive's employment is terminated by the Executive under Section 3(e) for Good Reason, the date on which a Notice of Termination is given after the end of the Cure Period. Notwithstanding the foregoing, in the event that the Executive gives a Notice of Termination to the Company, the Company may unilaterally accelerate the Date of Termination and such acceleration shall not result in a termination by the Company for purposes of this Agreement.

(c) Accrued Obligations. If the Executive's employment with the Company is terminated for any reason, the Company shall pay or provide to the Executive (or to the Executive's authorized representative or estate) (i) any Base Salary earned through the Date of Termination and, if applicable, any accrued but unused vacation through the Date of Termination; (ii) unpaid expense reimbursements (subject to, and in accordance with, Section 2(c) of this Agreement); and (iii) any vested benefits the Executive may have under any employee benefit plan of the Company through the Date of Termination, which vested benefits shall be paid and/or provided in accordance with the terms of such employee benefit plans (collectively, the "Accrued Obligations").

(d) Resignation of All Other Positions. To the extent applicable, the Executive shall be deemed to have resigned from all officer and board member positions that the Executive holds with the Company or any of its respective subsidiaries and affiliates upon the termination of the Executive's employment for any reason. The Executive shall execute any documents in reasonable form as may be requested to confirm or effectuate any such resignations.

5. Severance Pay and Benefits Upon Termination by the Company without Cause or by the Executive for Good Reason Outside the Change in Control Period. If the Executive's employment is terminated by the Company without Cause as provided in Section 3(d), or the Executive terminates employment for Good Reason as provided in Section 3(e)(ii) or (iii), in each case outside of the Change in Control Period, then, in addition to the Accrued Obligations, and subject to (i) the Executive signing a separation agreement and release in a form and manner satisfactory to the Company, which shall include, without limitation, a general release of claims against the Company and all related persons and entities that shall not release the Executive's rights under this Agreement, a reaffirmation of all of the Executive's Continuing Obligations (as defined below), and, in the Company's sole discretion, a one-year post-employment noncompetition agreement, and shall provide that if the Executive breaches any of the Continuing Obligations, all payments of the Severance Amount shall immediately cease (the "Separation Agreement"), and (ii) the Separation Agreement becoming irrevocable, all within 60 days after the Date of Termination (or such shorter period as set forth in the Separation Agreement), which shall include a seven (7) business day revocation period:

(a) the Company shall pay the Executive an amount equal to 9 months of the Executive's Base Salary (the "Severance Amount"); *provided* that in the event the Executive is entitled to Garden Leave Pay (as defined below), the Severance Amount received in any calendar year will be reduced by the amount of Garden Leave Pay the Executive is paid in the same such calendar year (the "Garden Leave Pay Setoff"); and

(b) subject to the Executive's copayment of premium amounts at the applicable active employees' rate and the Executive's proper election to receive benefits under the Consolidated Omnibus Budget Reconciliation Act of 1985, as amended ("COBRA"), the Company shall pay to the group health plan provider or the COBRA provider a monthly payment equal to the monthly employer contribution that the Company would have made to provide

health insurance to the Executive if the Executive had remained employed by the Company until the earliest of (i) the 9-month anniversary of the Date of Termination; (ii) the date that the Executive becomes eligible for group medical plan benefits under any other employer's group medical plan; or (iii) the cessation of the Executive's health continuation rights under COBRA; *provided, however*, that if the Company determines that it cannot pay such amounts to the group health plan provider or the COBRA provider (if applicable) without potentially violating applicable law (including, without limitation, Section 2716 of the Public Health Service Act), then the Company shall convert such payments to payroll payments directly to the Executive for the time period specified above. Such payments to the Executive shall be subject to tax-related deductions and withholdings and paid on the Company's regular payroll dates.

The amounts payable under Section 5, to the extent taxable, shall be paid out in substantially equal installments in accordance with the Company's payroll practice over 9 months commencing within 60 days after the Date of Termination; *provided, however*, that if the 60-day period begins in one calendar year and ends in a second calendar year, such payments, to the extent they qualify as "non-qualified deferred compensation" within the meaning of Section 409A of the Internal Revenue Code of 1986, as amended (the "Code"), shall begin to be paid in the second calendar year by the last day of such 60-day period; *provided, further*, that the initial payment shall include a catch-up payment to cover amounts retroactive to the day immediately following the Date of Termination. Each payment pursuant to this Agreement is intended to constitute a separate payment for purposes of Treasury Regulation Section 1.409A-2(b)(2).

6. Severance Pay and Benefits Upon Termination by the Company without Cause or by the Executive for Good Reason within the Change in Control Period. The provisions of this Section 6 shall apply in lieu of, and expressly supersede, the provisions of Section 5 if (i) the Executive's employment is terminated either (a) by the Company without Cause as provided in Section 3(d), or (b) by the Executive for Good Reason as provided in Section 3(e), and (ii) the Date of Termination is on or within 12 months after the occurrence of the first event constituting a Change in Control (such period, the "Change in Control Period"). These provisions shall terminate and be of no further force or effect after the Change in Control Period.

(a) If the Executive's employment is terminated by the Company without Cause as provided in Section 3(d) or the Executive terminates employment for Good Reason as provided in Section 3(e) and in each case the Date of Termination occurs during the Change in Control Period, then, in addition to the Accrued Obligations, and subject to the signing of a general release of claims against the Company and all related persons and entities that shall not release the Executive's rights under this Agreement (the "Release") by the Executive and the Release becoming fully effective, all within the time frame set forth in the Release but in no event more than 60 days after the Date of Termination:

(i) the Company shall pay the Executive a lump sum in cash in an amount equal to the sum of (A) 12 months of the Executive's then-current Base Salary (or the Executive's Base Salary in effect immediately prior to the Change in Control, if higher) plus (B) 1.0 times the Executive's Target Bonus for the then-current year (or the Executive's Target Bonus in effect immediately prior to the Change in Control, if higher) (the "Change in Control Payment"); *provided* that the Change in Control Payment shall be reduced by the amount of the Garden Leave Pay Setoff, if applicable; and

(ii) subject to the Executive's copayment of premium amounts at the applicable active employees' rate and the Executive's proper election to receive benefits under COBRA, the Company shall pay to the group health plan provider or the COBRA provider a monthly payment equal to the monthly employer contribution that the Company would have made to provide health insurance to the Executive if the Executive had remained employed by the Company until the earliest of (A) the 12-month

anniversary of the Date of Termination; (B) the date that the Executive becomes eligible for group medical plan benefits under any other employer's group medical plan; or (C) the cessation of the Executive's health continuation rights under COBRA; *provided, however*, that if the Company determines that it cannot pay such amounts to the group health plan provider or the COBRA provider (if applicable) without potentially violating applicable law (including, without limitation, Section 2716 of the Public Health Service Act), then the Company shall convert such payments to payroll payments directly to the Executive for the time period specified above. Such payments to the Executive shall be subject to tax-related deductions and withholdings and paid on the Company's regular payroll dates.

The amounts payable under this Section 6(a), to the extent taxable, shall be paid or commence to be paid within 60 days after the Date of Termination; *provided, however*, that if the 60-day period begins in one calendar year and ends in a second calendar year, such payments to the extent they qualify as "non-qualified deferred compensation" within the meaning of Section 409A of the Code, shall be paid or commence to be paid in the second calendar year by the last day of such 60-day period.

(b) Additional Limitation.

(i) Anything in this Agreement to the contrary notwithstanding, in the event that the amount of any compensation, payment or distribution by the Company to or for the benefit of the Executive, whether paid or payable or distributed or distributable pursuant to the terms of this Agreement or otherwise, calculated in a manner consistent with Section 280G of the Code, and the applicable regulations thereunder (the "Aggregate Payments"), would be subject to the excise tax imposed by Section 4999 of the Code, then the Aggregate Payments shall be reduced (but not below zero) so that the sum of all of the Aggregate Payments shall be \$1.00 less than the amount at which the Executive becomes subject to the excise tax imposed by Section 4999 of the Code; *provided* that such reduction shall only occur if it would result in the Executive receiving a higher After Tax Amount (as defined below) than the Executive would receive if the Aggregate Payments were not subject to such reduction. In such event, the Aggregate Payments shall be reduced in the following order, in each case, in reverse chronological order beginning with the Aggregate Payments that are to be paid the furthest in time from consummation of the transaction that is subject to Section 280G of the Code: (A) cash payments not subject to Section 409A of the Code; (B) cash payments subject to Section 409A of the Code; (C) equity-based payments and acceleration; and (D) non-cash forms of benefits; *provided* that in the case of all the foregoing Aggregate Payments all amounts or payments that are not subject to calculation under Treas. Reg. §1.280G-1, Q&A-24(b) or (c) shall be reduced before any amounts that are subject to calculation under Treas. Reg. §1.280G-1, Q&A-24(b) or (c).

(ii) For purposes of this Section 6(b), the "After Tax Amount" means the amount of the Aggregate Payments less all federal, state, and local income, excise and employment taxes imposed on the Executive as a result of the Executive's receipt of the Aggregate Payments. For purposes of determining the After Tax Amount, the Executive shall be deemed to pay federal income taxes at the highest marginal rate of federal income taxation applicable to individuals for the calendar year in which the determination is to be made, and state and local income taxes at the highest marginal rates of individual taxation in each applicable state and locality, net of the maximum reduction in federal income taxes which could be obtained from deduction of such state and local taxes.

(iii) The determination as to whether a reduction in the Aggregate Payments shall be made pursuant to Section 6(b)(i) shall be made by a nationally

recognized accounting firm selected by the Company (the “Accounting Firm”), which shall provide detailed supporting calculations both to the Company and the Executive within 15 business days of the Date of Termination, if applicable, or at such earlier time as is reasonably requested by the Company or the Executive. Any determination by the Accounting Firm shall be binding upon the Company and the Executive.

(c) Definitions. For purposes of this Agreement, “Change in Control” shall mean a “Sale Event” as defined in the Company’s 2021 Stock Option and Incentive Plan, as the same may be amended from time to time.

7. Section 409A.

(a) Anything in this Agreement to the contrary notwithstanding, if at the time of the Executive’s separation from service within the meaning of Section 409A of the Code, the Company determines that the Executive is a “specified employee” within the meaning of Section 409A(a)(2)(B)(i) of the Code, then to the extent any payment or benefit that the Executive becomes entitled to under this Agreement or otherwise on account of the Executive’s separation from service would be considered deferred compensation otherwise subject to the 20 percent additional tax imposed pursuant to Section 409A(a) of the Code as a result of the application of Section 409A(a)(2)(B)(i) of the Code, such payment shall not be payable and such benefit shall not be provided until the date that is the earlier of (i) six months and one day after the Executive’s separation from service, or (ii) the Executive’s death. If any such delayed cash payment is otherwise payable on an installment basis, the first payment shall include a catch-up payment covering amounts that would otherwise have been paid during the six-month period but for the application of this provision, and the balance of the installments shall be payable in accordance with their original schedule.

(b) All in-kind benefits provided and expenses eligible for reimbursement under this Agreement shall be provided by the Company or incurred by the Executive during the time periods set forth in this Agreement. All reimbursements shall be paid as soon as administratively practicable, but in no event shall any reimbursement be paid after the last day of the taxable year following the taxable year in which the expense was incurred. The amount of in-kind benefits provided or reimbursable expenses incurred in one taxable year shall not affect the in-kind benefits to be provided or the expenses eligible for reimbursement in any other taxable year (except for any lifetime or other aggregate limitation applicable to medical expenses). Such right to reimbursement or in-kind benefits is not subject to liquidation or exchange for another benefit.

(c) To the extent that any payment or benefit described in this Agreement constitutes “non-qualified deferred compensation” under Section 409A of the Code, and to the extent that such payment or benefit is payable upon the Executive’s termination of employment, then such payments or benefits shall be payable only upon the Executive’s “separation from service.” The determination of whether and when a separation from service has occurred shall be made in accordance with the presumptions set forth in Treasury Regulation Section 1.409A-1(h).

(d) The parties intend that this Agreement will be administered in accordance with Section 409A of the Code. To the extent that any provision of this Agreement is ambiguous as to its compliance with Section 409A of the Code, the provision shall be read in such a manner so that all payments hereunder comply with Section 409A of the Code. Each payment pursuant to this Agreement or the Restrictive Covenants Agreement is intended to constitute a separate payment for purposes of Treasury Regulation Section 1.409A-2(b)(2). The parties agree that this Agreement may be amended, as reasonably requested by either party, and as may be necessary to

fully comply with Section 409A of the Code and all related rules and regulations in order to preserve the payments and benefits provided hereunder without additional cost to either party.

(e) The Company makes no representation or warranty and shall have no liability to the Executive or any other person if any provisions of this Agreement are determined to constitute deferred compensation subject to Section 409A of the Code but do not satisfy an exemption from, or the conditions of, such Section.

8. Continuing Obligations.

(a) Restrictive Covenants Agreement. The terms of the Confidentiality and Proprietary Rights Agreement, dated June 21, 2021 (the "Restrictive Covenants Agreement"), between the Company and the Executive, attached hereto as Exhibit A, continue to be in full force and effect. For the avoidance of doubt, the term "Company" in the Restrictive Covenants Agreement means Absci Corporation, including its subsidiaries and other affiliates and its and their predecessors, successors and assigns. For purposes of this Agreement, the obligations in this Section 8 and those that arise in the Restrictive Covenants Agreement and any other agreement relating to confidentiality, assignment of inventions, or other restrictive covenants shall collectively be referred to as the "Continuing Obligations."

(b) Noncompetition. In consideration for the increase of the Executive's Base Salary and Target Bonus provided for in this Agreement, such increases the Executive acknowledges the Executive would not otherwise be entitled to receive and are independent of the Executive's continued employment with the Company, and in order to protect the Company's Confidential Information (as defined in the Restrictive Covenants Agreement) and goodwill, during the Executive's employment with the Company and for the 12 months following the Date of Termination (the "Restricted Period"), the Executive shall not, directly or indirectly, anywhere in the Business Territory (as defined below), engage, participate or invest in any Competing Business (as defined below). "Competing Business" means a business, person, entity, joint venture, facility, partnership, association or other organization that develops, manufactures or markets any products, or performs any services, that involve synthetic biology and/or artificial intelligence-based drug design. "Business Territory" means anywhere in the geographic areas of the United States in which the Company conducted business at any time during the 12 months prior to the Date of Termination. If the Executive's employment with the Company ends due to a layoff (which, to avoid doubt, means a termination of the Executive's employment solely due to economic reasons and not due to the Company's dissatisfaction with the Executive's performance or misconduct or another applicable reason) and the Company does not expressly waive in writing its right to enforce this Section 8(b), then, during the Restricted Period, the Company shall provide the Executive with compensation, payable in installments during the Restricted Period according to the Company's regular payroll schedule, in an amount equal to the Executive's Base Salary in effect as of the Date of Termination, less any compensation the Executive earns through subsequent employment or other business engagements during the Restricted Period ("Garden Leave Pay"). In the event the Executive receives Garden Leave Pay, the Executive agrees to report promptly to the Company any compensation the Executive earns through subsequent employment or other business engagements during the Restricted Period. The provisions of this Section 8(b) shall only be in effect if the Executive's Earnings from the Company exceed the minimum threshold required for an enforceable noncompetition covenant under Washington law, as such "Earnings" are defined and calculated under the Washington's law regarding noncompetition agreements, RCW 49.62.005 to 49.62.900. The Executive understands that this Section 8(b) may become enforceable against the Executive in the future if the Executive's Earnings exceed such threshold in the future even if the Executive's Earnings do not exceed such threshold upon hire or at other times during the Executive's employment. The Company may waive its right to enforce this Section 8(b) at any time in writing, and such waiver

shall render this Section 8(b) null and void and shall not affect the Company's right to enforce any other part of this Agreement or the Restrictive Covenants Agreement.

(c) Third-Party Agreements and Rights. The Executive hereby confirms that the Executive is not bound by the terms of any agreement with any previous employer or other party which restricts in any way the Executive's use or disclosure of information, other than confidentiality restrictions (if any), or the Executive's engagement in any business. The Executive represents to the Company that the Executive's execution of this Agreement, the Executive's employment with the Company and the performance of the Executive's proposed duties for the Company will not violate any obligations the Executive may have to any such previous employer or other party. In the Executive's work for the Company, the Executive will not disclose or make use of any information in violation of any agreements with or rights of any such previous employer or other party, and the Executive will not bring to the premises of the Company any copies or other tangible embodiments of non-public information belonging to or obtained from any such previous employment or other party.

(d) Litigation and Regulatory Cooperation. During and after the Executive's employment, the Executive shall cooperate fully with the Company in (i) the defense or prosecution of any claims or actions now in existence or which may be brought in the future against or on behalf of the Company which relate to events or occurrences that transpired while the Executive was employed by the Company, and (ii) the investigation, whether internal or external, of any matters about which the Company believes the Executive may have knowledge or information. The Executive's full cooperation in connection with such claims, actions or investigations shall include, but not be limited to, being available to meet with counsel to answer questions or to prepare for discovery or trial and to act as a witness on behalf of the Company at mutually convenient times. During and after the Executive's employment, the Executive also shall cooperate fully with the Company in connection with any investigation or review of any federal, state or local regulatory authority as any such investigation or review relates to events or occurrences that transpired while the Executive was employed by the Company. The Company shall reimburse the Executive for any reasonable out-of-pocket expenses incurred in connection with the Executive's performance of obligations pursuant to this Section 8(d).

(e) Relief. The Executive agrees that it would be difficult to measure any damages caused to the Company which might result from any breach by the Executive of the Continuing Obligations, and that in any event money damages would be an inadequate remedy for any such breach. Accordingly, the Executive agrees that if the Executive breaches, or proposes to breach, any portion of the Continuing Obligations, the Company shall be entitled, in addition to all other remedies that it may have, to an injunction or other appropriate equitable relief to restrain any such breach without showing or proving any actual damage to the Company.

9. Consent to Jurisdiction. The parties hereby consent to the jurisdiction of the state and federal courts of the State of Washington. Accordingly, with respect to any such court action, the Executive (a) submits to the exclusive personal jurisdiction of such courts; (b) consents to service of process; and (c) waives any other requirement (whether imposed by statute, rule of court, or otherwise) with respect to personal jurisdiction or service of process.

10. Waiver of Jury Trial. Each of the Executive and the Company irrevocably and unconditionally WAIVES ALL RIGHT TO TRIAL BY JURY IN ANY PROCEEDING (WHETHER BASED ON CONTRACT, TORT OR OTHERWISE) ARISING OUT OF OR RELATING TO THIS AGREEMENT OR THE EXECUTIVE'S EMPLOYMENT BY THE COMPANY OR ANY AFFILIATE OF THE COMPANY, INCLUDING WITHOUT LIMITATION THE EXECUTIVE'S OR THE COMPANY'S PERFORMANCE UNDER, OR THE ENFORCEMENT OF, THIS AGREEMENT.

11. Integration. This Agreement constitutes the entire agreement between the parties with respect to the subject matter hereof and supersedes all prior agreements between the parties concerning such subject matter, including the Prior Agreement, *provided* that the Restrictive Covenants Agreement and the Equity Documents remain in full force and effect.

12. Withholding; Tax Effect. All payments made by the Company to the Executive under this Agreement shall be net of any tax or other amounts required to be withheld by the Company under applicable law. Nothing in this Agreement shall be construed to require the Company to make any payments to compensate the Executive for any adverse tax effect associated with any payments or benefits or for any deduction or withholding from any payment or benefit.

13. Assignment; Successors and Assigns. Neither the Executive nor the Company may make any assignment of this Agreement or any interest in it, by operation of law or otherwise, without the prior written consent of the other; *provided, however,* that the Company may assign its rights and obligations under this Agreement (including the Restrictive Covenants Agreement) without the Executive's consent to any affiliate or to any person or entity with whom the Company shall hereafter effect a reorganization or consolidation, into which the Company merges or to whom it transfers all or substantially all of its properties or assets; *provided, further* that if the Executive remains employed or becomes employed by the Company, the purchaser or any of their affiliates in connection with any such transaction, then the Executive shall not be entitled to any payments, benefits or vesting pursuant to Section 2(f), Section 5 or Section 6 of this Agreement solely as a result of such transaction. This Agreement shall inure to the benefit of and be binding upon the Executive and the Company, and each of the Executive's and the Company's respective successors, executors, administrators, heirs and permitted assigns. In the event of the Executive's death after the Executive's termination of employment but prior to the completion by the Company of all payments due to the Executive under this Agreement, the Company shall continue such payments to the Executive's beneficiary designated in writing to the Company prior to the Executive's death (or to the Executive's estate, if the Executive fails to make such designation).

14. Enforceability. If any portion or provision of this Agreement (including, without limitation, any portion or provision of any section of this Agreement) shall to any extent be declared illegal or unenforceable by a court of competent jurisdiction, then the remainder of this Agreement, or the application of such portion or provision in circumstances other than those as to which it is so declared illegal or unenforceable, shall not be affected thereby, and each portion and provision of this Agreement shall be valid and enforceable to the fullest extent permitted by law.

15. Survival. For the avoidance of doubt, this Agreement shall survive the termination of the Executive's employment to the extent necessary to effectuate the terms contained herein.

16. Waiver. No waiver of any provision hereof shall be effective unless made in writing and signed by the waiving party. The failure of any party to require the performance of any term or obligation of this Agreement, or the waiver by any party of any breach of this Agreement, shall not prevent any subsequent enforcement of such term or obligation or be deemed a waiver of any subsequent breach.

17. Notices. Any notices, requests, demands and other communications provided for by this Agreement shall be sufficient if in writing and delivered in person or sent by a nationally recognized overnight courier service or by registered or certified mail, postage prepaid, return receipt requested, to the Executive at the last address the Executive has filed in writing with the Company or, in the case of the Company, at its main offices, attention of the Board.

18. Amendment. This Agreement may be amended or modified only by a written instrument signed by the Executive and by a duly authorized representative of the Company.

19. Effect on Other Plans and Agreements. An election by the Executive to resign for Good Reason under the provisions of this Agreement shall not be deemed a voluntary termination of employment by the Executive for the purpose of interpreting the provisions of any of the Company's benefit plans, programs or policies. Nothing in this Agreement shall be construed to limit the rights of the Executive under the Company's benefit plans, programs or policies except as otherwise provided in Section 8 hereof, and except that the Executive shall have no rights to any severance benefits under any Company severance pay plan, offer letter or otherwise. Except for the Restrictive Covenants Agreement, in the event that the Executive is party to an agreement with the Company providing for payments or benefits under such plan or agreement and under this Agreement, the terms of this Agreement shall govern and the Executive may receive payment under this Agreement only and not both. Further, Section 5 and Section 6 of this Agreement are mutually exclusive and in no event shall the Executive be entitled to payments or benefits pursuant to both Section 5 and Section 6 of this Agreement.

20. Governing Law. This is a Washington contract and shall be construed under and be governed in all respects by the laws of the State of Washington, without giving effect to the conflict of laws principles thereof. With respect to any disputes concerning federal law, such disputes shall be determined in accordance with the law as it would be interpreted and applied by the United States Court of Appeals for the Ninth Circuit.

21. Counterparts. This Agreement may be executed in any number of counterparts, each of which when so executed and delivered shall be taken to be an original; but such counterparts shall together constitute one and the same document.

[Signature page follows]

IN WITNESS WHEREOF, the parties have executed this Agreement effective on the Effective Date.

ABSCI CORPORATION

By: /s/ Sean McClain
Its: CEO

EXECUTIVE

/s/ Nikhil Goel
NIKHIL GOEL

Consent of Independent Registered Public Accounting Firm

We consent to the incorporation by reference in the following Registration Statement:

- a. Registration Statement (Form S-8 No. 333-258209) pertaining to the Company's 2020 Stock Option and Grant Plan, 2021 Stock Option and Incentive Plan and 2021 Employee Stock Purchase Plan

of our report dated March 22, 2022, with respect to the consolidated financial statements of Absci Corporation and subsidiaries included in this Annual Report (Form 10-K) of Absci Corporation and subsidiaries for the year ended December 31, 2021.

/s/ Ernst & Young LLP

Seattle, Washington
March 22, 2022

**CERTIFICATION PURSUANT TO
RULES 13a-14(a) AND 15d-14(a) UNDER THE SECURITIES EXCHANGE ACT OF 1934,
AS ADOPTED PURSUANT TO SECTION 302 OF THE SARBANES-OXLEY ACT OF 2002**

I, Gregory Schiffman, certify that:

1. I have reviewed this annual report of Absci Corporation;
2. Based on my knowledge, this report does not contain any untrue statement of a material fact or omit to state a material fact necessary to make the statements made, in light of the circumstances under which such statements were made, not misleading with respect to the period covered by this report;
3. Based on my knowledge, the financial statements, and other financial information included in this report, fairly present in all material respects the financial condition, results of operations and cash flows of the registrant as of, and for, the periods presented in this report;
4. The registrant's other certifying officer(s) and I are responsible for establishing and maintaining disclosure controls and procedures (as defined in Exchange Act Rules 13a-15(e) and 15d-15(e)) for the registrant and have:
 - (a) Designed such disclosure controls and procedures, or caused such disclosure controls and procedures to be designed under our supervision, to ensure that material information relating to the registrant, including its consolidated subsidiaries, is made known to us by others within those entities, particularly during the period in which this report is being prepared;
 - (b) [Reserved];
 - (c) Evaluated the effectiveness of the registrant's disclosure controls and procedures and presented in this report our conclusions about the effectiveness of the disclosure controls and procedures, as of the end of the period covered by this report based on such evaluation; and
 - (d) Disclosed in this report any change in the registrant's internal control over financial reporting that occurred during the registrant's most recent fiscal quarter (the registrant's fourth fiscal quarter in the case of an annual report) that has materially affected, or is reasonably likely to materially affect, the registrant's internal control over financial reporting; and
5. The registrant's other certifying officer(s) and I have disclosed, based on our most recent evaluation of internal control over financial reporting, to the registrant's auditors and the audit committee of the registrant's board of directors (or persons performing the equivalent functions):
 - (a) All significant deficiencies and material weaknesses in the design or operation of internal control over financial reporting which are reasonably likely to adversely affect the registrant's ability to record, process, summarize and report financial information; and
 - (b) Any fraud, whether or not material, that involves management or other employees who have a significant role in the registrant's internal control over financial reporting.

Date: March 22, 2022

By: _____ /s/ Gregory Schiffman

**Gregory Schiffman
Chief Financial Officer**

**CERTIFICATION PURSUANT TO
18 U.S.C. SECTION 1350, AS ADOPTED PURSUANT TO
SECTION 906 OF THE SARBANES-OXLEY ACT OF 2002**

In connection with the Annual Report of Absci Corporation (the "Company") on Form 10-K for the period ending December 31, 2021 as filed with the Securities and Exchange Commission on the date hereof (the "Report"), I certify, pursuant to 18 U.S.C. § 1350, as adopted pursuant to § 906 of the Sarbanes-Oxley Act of 2002, that:

- (1) The Report fully complies with the requirements of Section 13(a) or 15(d) of the Securities Exchange Act of 1934, as amended; and
- (2) The information contained in the Report fairly presents, in all material respects, the financial condition and results of operations of the Company.

Date: March 22, 2022

By: _____ /s/ Sean McClain

Sean McClain
President and Chief Executive Officer

**CERTIFICATION PURSUANT TO
18 U.S.C. SECTION 1350, AS ADOPTED PURSUANT TO
SECTION 906 OF THE SARBANES-OXLEY ACT OF 2002**

In connection with the Annual Report of Absci Corporation (the "Company") on Form 10-K for the period ending December 31, 2021 as filed with the Securities and Exchange Commission on the date hereof (the "Report"), I certify, pursuant to 18 U.S.C. § 1350, as adopted pursuant to § 906 of the Sarbanes-Oxley Act of 2002, that:

- (1) The Report fully complies with the requirements of Section 13(a) or 15(d) of the Securities Exchange Act of 1934, as amended; and
- (2) The information contained in the Report fairly presents, in all material respects, the financial condition and results of operations of the Company.

Date: March 22, 2022

By: _____ /s/ Gregory Schiffman
Gregory Schiffman
Chief Financial Officer