

PROSPECTUS



LYRA THERAPEUTICS, INC.

15,521,322 Shares

Common Stock

Offered by the Selling Securityholders

The selling securityholders may offer and sell up to 15,521,322 shares in the aggregate of common stock identified above, of which 10,521,322 shares are presently issued and outstanding and 5,000,000 shares are issuable upon exercise of presently issued and outstanding warrants to purchase common stock, from time to time in one or more offerings. This prospectus provides you with a general description of the securities. We will not receive any proceeds from the sale of our common stock by the selling securityholders.

Each time any of the selling securityholders offers and sells securities, such selling securityholders may provide a supplement to this prospectus that contains specific information about the offering and the amounts, prices and terms of the securities. The supplement may also add, update or change information contained in this prospectus with respect to that offering. You should carefully read this prospectus and the applicable prospectus supplement before you invest in any of our securities.

The selling securityholders, together or separately, may offer and sell the securities described in this prospectus and any prospectus supplement to or through one or more underwriters, dealers and agents, or directly to purchasers, or through a combination of these methods. If any underwriters, dealers or agents are involved in the sale of any of the securities, their names and any applicable purchase price, fee, commission or discount arrangement between or among them will be set forth, or will be calculable from the information set forth, in the applicable prospectus supplement. See the sections of this prospectus entitled "About this Prospectus" and "Plan of Distribution" for more information. No securities may be sold without delivery of this prospectus and the applicable prospectus supplement describing the method and terms of the offering of such securities.

INVESTING IN OUR SECURITIES INVOLVES RISKS. SEE THE "[RISK FACTORS](#)" ON PAGE 5 OF THIS PROSPECTUS AND ANY SIMILAR SECTION CONTAINED IN THE APPLICABLE PROSPECTUS SUPPLEMENT CONCERNING FACTORS YOU SHOULD CONSIDER BEFORE INVESTING IN OUR SECURITIES.

Our common stock is listed on the Nasdaq Global Market under the symbol "LYRA." On May 19, 2022, the last reported sale price of our common stock on the Nasdaq Global Market was \$5.61 per share.

Neither the Securities and Exchange Commission nor any state securities commission has approved or disapproved of these securities or passed upon the adequacy or accuracy of this prospectus. Any representation to the contrary is a criminal offense.

The date of this prospectus is May 20, 2022.

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ABOUT THIS PROSPECTUS

This prospectus is part of a registration statement that we filed with the U.S. Securities and Exchange Commission, or the SEC, using a “shelf” registration process. By using a shelf registration statement, the selling securityholders may, from time to time, sell up to 15,521,322 shares of common stock in one or more offerings as described in this prospectus. In connection with the offer and sale of securities by the selling securityholders, the selling securityholders may provide a prospectus supplement to this prospectus that contains specific information about the securities being offered and sold and the specific terms of that offering. We may also authorize one or more free writing prospectuses to be provided to you that may contain material information relating to these offerings. Any such prospectus supplement or free writing prospectus may also add, update or change information contained in this prospectus with respect to that offering. If there is any inconsistency between the information in this prospectus and the applicable prospectus supplement or free writing prospectus, you should rely on the prospectus supplement or free writing prospectus, as applicable. Before purchasing any securities, you should carefully read both this prospectus and any applicable prospectus supplement or free writing prospectuses, together with the additional information described under the heading “Where You Can Find More Information; Incorporation by Reference.”

Neither we, nor the selling securityholders, have authorized anyone to provide you with any information or to make any representations other than those contained in this prospectus, any applicable prospectus supplement or any free writing prospectuses prepared by or on behalf of us or to which we have referred you. We and the selling securityholders take no responsibility for, and can provide no assurance as to the reliability of, any other information that others may give you. We and the selling securityholders will not make an offer to sell these securities in any jurisdiction where the offer or sale is not permitted. You should assume that the information appearing in this prospectus and any applicable prospectus supplement to this prospectus is accurate only as of the date on its respective cover, that the information appearing in any applicable free writing prospectus is accurate only as of the date of that free writing prospectus, and that any information incorporated by reference is accurate only as of the date of the document incorporated by reference, unless we indicate otherwise. Our business, financial condition, results of operations and prospects may have changed since those dates. This prospectus incorporates by reference, and any prospectus supplement or free writing prospectus may contain and incorporate by reference, market data and industry statistics and forecasts that are based on independent industry publications and other publicly available information. Although we believe these sources are reliable, we do not guarantee the accuracy or completeness of this information and we have not independently verified this information. In addition, the market and industry data and forecasts that may be included or incorporated by reference in this prospectus, any prospectus supplement or any applicable free writing prospectus may involve estimates, assumptions and other risks and uncertainties and are subject to change based on various factors, including those discussed under the heading “Risk Factors” contained in this prospectus, the applicable prospectus supplement and any applicable free writing prospectus, and under similar headings in other documents that are incorporated by reference into this prospectus. Accordingly, investors should not place undue reliance on this information.

When we refer to “Lyra,” “we,” “our,” “us” and the “Company” in this prospectus, we mean Lyra Therapeutics, Inc. and its consolidated subsidiaries, unless otherwise specified. When we refer to “you,” we mean the potential holders of the applicable series of securities.

We use our trademarks and our logo in this prospectus and the documents incorporated by reference. This prospectus and the documents incorporated by reference also include trademarks, tradenames and service marks that are the property of other organizations. Solely for convenience, trademarks and tradenames referred to in this prospectus appear without the ® and ™ symbols, but those references are not intended to indicate, in any way, that we will not assert, to the fullest extent under applicable law, our rights or that the applicable owner will not assert its rights, to these trademarks and tradenames.

WHERE YOU CAN FIND MORE INFORMATION; INCORPORATION BY REFERENCE

Available Information

We file reports, proxy statements and other information with the SEC. The SEC maintains a web site that contains reports, proxy and information statements and other information about issuers, such as us, who file electronically with the SEC. The address of that website is <http://www.sec.gov>.

Our web site address is <https://lyratherapeutics.com>. The information on our web site, however, is not, and should not be deemed to be, a part of this prospectus.

This prospectus and any prospectus supplement are part of a registration statement that we filed with the SEC and do not contain all of the information in the registration statement. The full registration statement may be obtained from the SEC or us, as provided below. Documents establishing the terms of the offered securities are or may be filed as exhibits to the registration statement or documents incorporated by reference in the registration statement. Statements in this prospectus or any prospectus supplement about these documents are summaries and each statement is qualified in all respects by reference to the document to which it refers. You should refer to the actual documents for a more complete description of the relevant matters. You may inspect a copy of the registration statement through the SEC's website, as provided above.

Incorporation by Reference

The SEC's rules allow us to "incorporate by reference" information into this prospectus, which means that we can disclose important information to you by referring you to another document filed separately with the SEC. The information incorporated by reference is deemed to be part of this prospectus, and subsequent information that we file with the SEC will automatically update and supersede that information. Any statement contained in this prospectus or a previously filed document incorporated by reference will be deemed to be modified or superseded for purposes of this prospectus to the extent that a statement contained in this prospectus or a subsequently filed document incorporated by reference modifies or replaces that statement.

This prospectus and any accompanying prospectus supplement incorporate by reference the documents set forth below that have previously been filed with the SEC:

- Our Annual Report on [Form 10-K](#) for the year ended December 31, 2021, filed with the SEC on March 9, 2022.
- Our Definitive Proxy Statement on [Schedule 14A](#), filed with the SEC on April 27, 2022.
- Our Quarterly Report on Form 10-Q for the quarter ended March 31, 2022, filed with the SEC on [May 10, 2022](#).
- Our Current Reports on Form 8-K filed with the SEC on [February 18, 2022](#) and [April 13, 2022](#).
- The description of our common stock contained in our Registration Statement on [Form 8-A](#), filed with the SEC on April 27, 2020, pursuant to Section 12(b) of the Securities Act, as updated by "Description of Securities" filed as [Exhibit 4.4](#) to our Annual Report on [Form 10-K](#) for the year ended December 31, 2021, and any other amendment or report filed with the SEC for the purpose of updating such description.

All reports and other documents we subsequently file pursuant to Section 13(a), 13(c), 14 or 15(d) of the Securities Exchange Act of 1934, as amended, which we refer to as the "Exchange Act" in this prospectus, prior to the termination of this offering, including all such documents we may file with the SEC after the date of the initial registration statement and prior to the effectiveness of the registration statement, but excluding any information furnished to, rather than filed with, the SEC, will also be incorporated by reference into this prospectus and deemed to be part of this prospectus from the date of the filing of such reports and documents.

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You may request a free copy of any of the documents incorporated by reference in this prospectus by writing or telephoning us at the following address:

Lyra Therapeutics, Inc.
480 Arsenal Way
Watertown, MA 02472
(617) 393-4600

Exhibits to the filings will not be sent, however, unless those exhibits have specifically been incorporated by reference in this prospectus or any accompanying prospectus supplement.

THE COMPANY

We are a clinical-stage therapeutics company focused on the development and commercialization of novel integrated drug and delivery solutions for the localized treatment of patients with ear, nose, and throat, or ENT, diseases. Our proprietary technology platform, XTreo™, is designed to precisely and consistently deliver medicines directly to the affected tissue for sustained periods with a single administration. Our initial product candidates, LYR-210 and LYR-220, are bioresorbable polymeric matrices designed to be administered in a brief, non-invasive, in-office procedure and intended to deliver up to six months of continuous drug therapy to the sinonasal passages for the treatment of chronic rhinosinusitis, or CRS. The therapeutic embedded within LYR-210 and LYR-220 is mometasone furoate, which is the active ingredient in various U.S. Food and Drug Administration approved drugs and has a well-established efficacy and safety profile. CRS is an inflammatory disease of the paranasal sinuses which leads to debilitating symptoms and significant morbidities and affects approximately 14 million people in the United States.

CRS has been described in the literature as an “unrecognized epidemic” due to its high prevalence, its substantial impact on patient quality of life, and the significant limitations of currently available treatment options. We estimate that sinusitis, which includes both CRS and acute rhinosinusitis, impacts approximately 12% of the adult population in the United States, or approximately 30 million people, making it the fifth most common condition in people under the age of 65 and more prevalent than diabetes or heart disease. Of this population, we estimate that approximately 14 million people are affected with CRS. Moreover, we estimate that approximately 8 million people are treated for CRS by physicians annually, of which approximately 4 million fail medical management every year. In the United States, over \$60 billion is spent annually in direct treatment costs for sinusitis, including approximately \$5 billion on sinus surgeries.

We believe LYR-210 and LYR-220, if successfully developed and approved, will be able to treat the entire spectrum of CRS patients that have failed medical management and present to an ENT physician, including pre- and post-surgical patients and those with and without nasal polyps, with up to six months of treatment in a single administration.

We were incorporated under the laws of the state of Delaware in November 2005 under the name WMR Biomedical, Inc. In July 2018, we changed our name to Lyra Therapeutics, Inc. Our principal executive offices are located at 480 Arsenal Way, Watertown, MA 02472 and our telephone number is (617) 393-4600. Our website address is <https://lyratherapeutics.com>. The information contained in, or accessible through, our website does not constitute a part of this prospectus. We have included our website address in this prospectus solely as an inactive textual reference. Our common stock is listed on the Nasdaq Global Market under the symbol “LYRA”.

RISK FACTORS

Investment in any securities offered pursuant to this prospectus and the applicable prospectus supplement involves risks. You should carefully consider the risk factors incorporated by reference to our most recent Annual Report on Form 10-K and any subsequent Quarterly Reports on Form 10-Q or Current Reports on Form 8-K, and all other information contained or incorporated by reference into this prospectus, as updated by our subsequent filings under the Exchange Act, and the risk factors and other information contained in any applicable prospectus supplement and any applicable free writing prospectus before making a decision about investing in our securities. The occurrence of any of these risks might cause you to lose all or part of your investment in the offered securities.

USE OF PROCEEDS

We will not receive any of the proceeds from the sale of common stock being offered by any of the selling securityholders.

DESCRIPTION OF SECURITIES

As of May 1, 2022, we had one class of securities registered under Section 12 of the Exchange Act.

The following description of our securities and certain provisions of our restated certificate of incorporation, which we refer to as our certificate of incorporation, and our amended and restated bylaws, which we refer to as our bylaws, are summaries and are qualified in their entirety by reference to the full text of our certificate of incorporation and bylaws, each of which has been publicly filed with the SEC, and the applicable provisions of the General Corporation Law of the State of Delaware, or the DGCL. See “Where You Can Find More Information; Incorporation by Reference.” Our authorized capital stock consists of:

- 200,000,000 shares of common stock, par value \$0.001 per share; and
- 10,000,000 shares of preferred stock, par value \$0.001 per share.

Common Stock

Our common stock is listed on the Nasdaq Global Market under the symbol “LYRA.”

Voting Rights. Holders of our common stock are entitled to one vote for each share held on all matters submitted to a vote of stockholders and do not have cumulative voting rights. An election of directors by our stockholders shall be determined by a plurality of the votes cast by the stockholders entitled to vote on the election. Subject to the supermajority votes for some matters, other matters shall be decided by the affirmative vote of our stockholders having a majority in voting power of the votes cast by the stockholders present or represented and voting on such matter. Our certificate of incorporation and bylaws also provide that our directors may be removed only for cause and only by the affirmative vote of the holders of at least two-thirds in voting power of the outstanding shares of capital stock entitled to vote thereon. In addition, the affirmative vote of the holders of at least two-thirds in voting power of the outstanding shares of capital stock entitled to vote thereon is required to amend or repeal, or to adopt any provision inconsistent with, several of the provisions of our restated certificate of incorporation. See below under “–Anti-Takeover Effects of Delaware Law and Our Certificate of Incorporation and Bylaws–Amendment of Charter Provisions.”

Rights Upon Liquidation. In the event of our liquidation or dissolution, the holders of common stock are entitled to receive proportionately our net assets available for distribution to stockholders after the payment of all debts and other liabilities and subject to the prior rights of any outstanding preferred stock. Holders of common stock have no preemptive, subscription, redemption or conversion rights. Our outstanding shares of common stock are validly issued, fully paid and nonassessable. 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.

Transfer Agent

The transfer agent and registrar for our common stock is American Stock Transfer & Trust Company, LLC.

Dividend

Holders of common stock are entitled to receive proportionately any dividends as may be declared by our board of directors, subject to any preferential dividend rights of outstanding preferred stock. On March 20, 2012, we declared and paid a special cash dividend of \$0.2630467 per share of our common stock, or the Special Dividend, which totaled approximately \$42,115 in the aggregate. Other than the Special Dividend, we have never declared or paid any cash dividends on our common stock. We do not intend to pay cash dividends for the

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foreseeable future. We currently expect to retain all future earnings, if any, for use in the development, operation and expansion of our business. Any determination to pay cash dividends in the future will depend upon, among other things, our results of operations, plans for expansion, tax considerations, available net profits and reserves, limitations under law, financial condition, capital requirements and other factors that our board of directors considers to be relevant.

Preferred Stock

Under the terms of our certificate of incorporation, our board of directors is authorized to direct us to issue shares of preferred stock in one or more series without stockholder approval. Our board of directors has the discretion to determine the rights, preferences, privileges and restrictions, including voting rights, dividend rights, conversion rights, redemption privileges and liquidation preferences, of each series of preferred stock.

The purpose of authorizing our board of directors to issue preferred stock and determine its rights and preferences is to eliminate delays associated with a stockholder vote on specific issuances. The issuance of preferred stock, while providing flexibility in connection with possible acquisitions, future financings and other corporate purposes, could have the effect of making it more difficult for a third party to acquire, or could discourage a third party from seeking to acquire, a majority of our outstanding voting stock. There are no shares of preferred stock outstanding, and we have no present plans to issue any shares of preferred stock.

Options

As of May 1, 2022, options to purchase an aggregate of 124,729 shares of our common stock were outstanding under our 2005 Equity Incentive Plan, or our 2005 Plan (all of which were vested and exercisable as of such date), options to purchase 549,486 shares of common stock were outstanding under our 2016 Equity Incentive Plan, or our 2016 Plan (of which 456,050 shares were vested and exercisable as of such date), options to purchase 1,769,584 shares of common stock were outstanding under our 2020 Incentive Award Plan, or our 2020 Plan (of which 419,100 shares were vested and exercisable as of such date), restricted stock units covering 41,051 shares of common stock were outstanding under our 2020 Plan and options to purchase 520,000 shares of common stock were outstanding under our 2022 Employment Inducement Plan (none of which were vested or exercisable as of such date).

Warrants

On April 7, 2022, we entered into a securities purchase agreement with certain purchasers named therein, pursuant to which we agreed to sell securities to such purchasers in a private placement. In the private placement, the purchasers had the option to purchase either shares of our common stock or, in lieu thereof, pre-funded warrants to purchase shares of our common stock, each with an exercise price of \$0.001 per share. Accordingly, we issued pre-funded warrants to purchase 5,000,000 shares of our common stock upon the closing of the private placement.

As of May 1, 2022, warrants to purchase an aggregate of 5,000,000 shares of our common stock were outstanding.

The warrants are exercisable until 5:00 p.m., New York time, on April 12, 2027. The exercise price and number of shares of common stock issuable upon exercise of the warrants may be adjusted in certain circumstances, including in the event of a stock dividend, a forward or reverse split of our shares of common stock, and certain other events. However, the warrants will not be adjusted for issuances of common stock at prices below their respective exercise prices.

We issued the warrants in certificated form. A holder of a warrant certificate may exercise such warrant upon surrender of the applicable warrant certificate on or prior to the applicable expiration date at our principal office, with the exercise form on the reverse side of the warrant certificate completed and executed as indicated, accompanied by full payment of the exercise price for the number of warrants being exercised.

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Subject to limited exceptions, a holder of warrants will not have the right to exercise any portion of its warrants if the holder (together with such holder's affiliates, and any persons acting as a group together with such holder or any of such holder's affiliates) would beneficially own a number of shares of our common stock in excess of 9.999% of the shares of our common stock then outstanding after giving effect to such exercise (the "Beneficial Ownership Limitation"); provided, however, that upon notice to us, the holder may increase or decrease the Beneficial Ownership Limitation, provided that in no event shall the Beneficial Ownership Limitation exceed 19.99% and any increase in the Beneficial Ownership Limitation will not be effective until 61 days following notice of such increase from the holder to us.

The holders of the warrants must pay the exercise price in cash upon exercise of the warrants, unless such holders are utilizing the cashless exercise provision of the warrants. The warrants may be exercised (in the sole discretion of the holder), in whole or in part, at such time by means of a "cashless exercise" in which the holder of such warrants shall be entitled to receive that number of warrant shares determined according to the following formula:

$$\frac{[(A-B)*(X)]}{(A)}$$

Where:

A = the VWAP (as defined below) on the trading day immediately preceding the date of such election;

B = the exercise price then in effect; and

X = the number of shares of our common stock for which the warrant is being exercised (which shall include both the number of shares of our common stock issued to the holder thereof and the number of shares of our common stock subject to the portion of the warrant being cancelled in payment of the exercise price).

As used above, the "VWAP" means, for any date, the price determined by the first of the following clauses that applies: (i) if our common stock is then listed on The Nasdaq Global Select Market, The Nasdaq Global Market, The Nasdaq Capital Market or the New York Stock Exchange (such market, the "Trading Market"), the daily volume-weighted average price of the Common Stock for such date (or the nearest preceding date) on the Trading Market as reported by Bloomberg Financial L.P. (based on a "Trading Day" from 9:30 a.m. Eastern Time to 4:02 p.m. Eastern Time); (ii) the volume-weighted average price of our common stock for such date (or the nearest preceding date) on the OTC Bulletin Board; (iii) if our common stock is not then listed on a Trading Market or quoted on the OTC Bulletin Board and if prices for our common stock are then reported in the "Pink Sheets" published by the Pink Sheets, LLC (or a similar organization or agency succeeding to its functions of reporting prices), the most recent bid price per share of our common stock so reported; or (iv) in all other cases, the fair market value of a share of our common stock as determined by a good faith determination of our Board of Directors.

We do not intend to apply for listing of the warrants on any securities exchange or other trading system.

Registration Rights

Certain holders of shares of our common stock are entitled to certain rights with respect to the registration of such shares for public resale under the Securities Act, pursuant to our ninth amended and restated investors' rights agreement, or the investor rights agreement, until the rights otherwise terminate pursuant to the terms of the investor rights agreement. The registration of shares of common stock as a result of the following rights being exercised would enable holders to trade these shares without restriction under the Securities Act when the applicable registration statement is declared effective.

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Form S-1 Registration Rights

If at any time the holders of at least 30% of the registrable securities then outstanding request in writing that we effect a registration with respect to all or part of such registrable securities then outstanding having an anticipated aggregate offering price that would exceed \$5,000,000, we may be required to register their shares. We are obligated to effect at most (i) three registrations initiated by Perceptive Life Sciences Master Fund Ltd and Perceptive LS (A), LLC, collectively referred to as Perceptive, and (ii) three registrations covering registrable securities held by investors other than Perceptive, in each case, in response to these demand registration rights. If the holders requesting registration intend to distribute their shares by means of an underwriting, the managing underwriter of such offering will have the right to limit the numbers of shares to be underwritten for reasons related to the marketing of the shares.

Piggyback Registration Rights

If at any time we propose to register any shares of our common stock under the Securities Act, subject to certain exceptions, the holders of registrable securities then outstanding will be entitled to notice of the registration and to include their shares of registrable securities in the registration. If our proposed registration involves an underwriting, the managing underwriter of such offering will have the right to limit the number of shares to be underwritten for reasons related to the marketing of the shares.

Form S-3 Registration Rights

If, at any time after we become entitled under the Securities Act to register our shares on a registration statement on Form S-3, the holders of the registrable securities then outstanding request in writing that we effect a registration with respect to all or part of such registrable securities having an anticipated aggregate offering price to the public in the offering of at least \$2,000,000, we will be required to effect such registration; provided, however, that we will not be required to effect such a registration if, within any twelve month period, we have already effected two registrations on Form S-3 for the holders of registrable securities.

Termination of Registration Rights

The registration rights terminate upon the earlier of the date on which no stockholder holds any registrable securities, the closing of a company sale, as defined in the investor rights agreement, at such time as SEC Rule 144 or another similar exemption under the Securities Act is available for the sale of all of a stockholder's shares without limitation during a three-month period without registration, at such time a stockholder is not an affiliate (as defined under the Securities Act) of the Company or May 5, 2028.

Private Placement Registration Rights

We have also agreed to prepare and file with the SEC a registration statement by no later than May 12, 2022 covering the public resale pursuant to the Securities Act of certain shares of our common stock issued, and certain shares of our common stock issuable upon exercise of warrants to purchase our common stock issued, in each case, pursuant to a securities purchase agreement dated April 7, 2022, and we have further agreed to use commercially reasonable efforts to have such registration statement declared effective as soon as reasonably practicable after the filing thereof, but in no event later than June 11, 2022, or July 11, 2022 if the SEC reviews the registration statement. This registration statement on Form S-3 is being filed with the SEC in accordance with the aforementioned obligations.

Expenses and Indemnification

Ordinarily, other than underwriting discounts and commissions, we will be required to pay all expenses incurred by us related to any registration effected pursuant to the exercise of these registration rights. These

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expenses may include all registration and filing fees, printing expenses, fees and disbursements of our counsel, reasonable fees and disbursements of a counsel for the selling securityholders and blue sky fees and expenses. Additionally, we have agreed to indemnify selling securityholders for damages, and any legal or other expenses reasonably incurred, arising from or based upon any untrue statement of a material fact contained in any registration statement, an omission or alleged omission to state a material fact in any registration statement or necessary to make the statements therein not misleading, or any violation or alleged violation by the indemnifying party of securities laws, subject to certain exceptions.

Anti-Takeover Effects of Delaware Law and Our Certificate of Incorporation and Bylaws

Some provisions of Delaware law, our restated certificate of incorporation and our amended and restated bylaws could make the following transactions more difficult: an acquisition of us by means of a tender offer; an acquisition of us by means of a proxy contest or otherwise; or the removal of our incumbent officers and directors. It is possible that these provisions could make it more difficult to accomplish or could deter transactions that stockholders may otherwise consider to be in their best interest or in our best interests, including transactions which provide for payment of a premium over the market price for our shares.

These provisions, summarized below, are intended to discourage coercive takeover practices and inadequate takeover bids. These provisions are also designed to encourage persons seeking to acquire control of us to first negotiate with our board of directors. We believe that the benefits of the increased protection of our potential ability to negotiate with the proponent of an unfriendly or unsolicited proposal to acquire or restructure us outweigh the disadvantages of discouraging these proposals because negotiation of these proposals could result in an improvement of their terms.

Undesignated Preferred Stock. The ability of our board of directors, without action by the stockholders, to issue up to 10,000,000 shares of undesignated preferred stock with voting or other rights or preferences as designated by our board of directors could impede the success of any attempt to change control of us. These and other provisions may have the effect of deferring hostile takeovers or delaying changes in control or management of our company.

Stockholder Meetings. Our amended and restated bylaws provide that a special meeting of stockholders may be called only by our chairman of the board, chief executive officer or president (in the absence of a chief executive officer), or by a resolution adopted by a majority of our board of directors.

Requirements for Advance Notification of Stockholder Nominations and Proposals. Our amended and restated bylaws establish advance notice procedures with respect to stockholder proposals to be brought before a stockholder meeting and the nomination of candidates for election as directors, other than nominations made by or at the direction of the board of directors or a committee of the board of directors.

Elimination of Stockholder Action by Written Consent. Our restated certificate of incorporation eliminates the right of stockholders to act by written consent without a meeting.

Staggered Board. Our board of directors is divided into three classes. The directors in each class will serve for a three-year term, one class being elected each year by our stockholders. This system of electing and removing directors may tend to discourage a third-party from making a tender offer or otherwise attempting to obtain control of us, because it generally makes it more difficult for stockholders to replace a majority of the directors.

Removal of Directors. Our restated certificate of incorporation provides that no member of our board of directors may be removed from office by our stockholders except for cause and, in addition to any other vote required by law, upon the approval of the holders of at least two-thirds in voting power of the outstanding shares of stock entitled to vote in the election of directors.

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Stockholders Not Entitled to Cumulative Voting. Our restated certificate of incorporation does not permit stockholders to cumulate their votes in the election of directors. Accordingly, the holders of a majority of the outstanding shares of our common stock entitled to vote in any election of directors can elect all of the directors standing for election, if they choose, other than any directors that holders of our preferred stock may be entitled to elect.

Delaware Anti-Takeover Statute. We are subject to Section 203 of the DGCL, which prohibits persons deemed to be “interested stockholders” from engaging in a “business combination” with a publicly held Delaware corporation for three years following the date these persons become interested stockholders unless the business combination is, or the transaction in which the person became an interested stockholder was, approved in a prescribed manner or another prescribed exception applies. Generally, an “interested stockholder” is a person who, together with affiliates and associates, owns, or within three years prior to the determination of interested stockholder status did own, 15% or more of a corporation’s voting stock. Generally, a “business combination” includes a merger, asset or stock sale, or other transaction resulting in a financial benefit to the interested stockholder. The existence of this provision may have an anti-takeover effect with respect to transactions not approved in advance by the board of directors.

Choice of Forum. Our restated certificate of incorporation provides that, unless we consent in writing to the selection of an alternative form, the Court of Chancery of the State of Delaware will be the sole and exclusive forum for: (1) any derivative action or proceeding brought on our behalf; (2) any action asserting a claim of breach of a fiduciary duty or other wrongdoing by any of our directors, officers, employees or stockholders to us or our stockholders; (3) any action asserting a claim against us arising pursuant to any provision of the General Corporation Law of the State of Delaware or our certificate of incorporation or bylaws; or (4) any action asserting a claim governed by the internal affairs doctrine. Under our restated certificate of incorporation, this exclusive forum provision will not apply to claims which are vested in the exclusive jurisdiction of a court or forum other than the Court of Chancery of the State of Delaware, or for which the Court of Chancery of the State of Delaware does not have subject matter jurisdiction. For instance, the provision would not apply to actions arising under federal securities laws, including suits brought to enforce any liability or duty created by the Securities Act, Exchange Act, or the rules and regulations thereunder. Our restated certificate of incorporation further provides that, unless we consent in writing to the selection of an alternative forum, the federal district courts of the United States of America shall, to the fullest extent permitted by law, be the sole and exclusive forum for the resolution of any complaint asserting a cause of action arising under the Securities Act. Our restated certificate of incorporation also provides that any person or entity purchasing or otherwise acquiring any interest in shares of our capital stock will be deemed to have notice of and to have consented to these choice of forum provisions. It is possible that a court of law could rule that either or both of the choice of forum provisions contained in our restated certificate of incorporation is inapplicable or unenforceable if it is challenged in a proceeding or otherwise.

Amendment of Charter Provisions. The amendment of any of the above provisions, except for the provision making it possible for our board of directors to issue preferred stock and the provision prohibiting cumulative voting, would require approval by holders of at least two-thirds in voting power of the outstanding shares of stock entitled to vote thereon.

The provisions of Delaware law, our restated certificate of incorporation and our amended and restated bylaws could have the effect of discouraging others from attempting hostile takeovers and, as a consequence, they may also inhibit temporary fluctuations in the market price of our common stock that often result from actual or rumored hostile takeover attempts. These provisions may also have the effect of preventing changes in the composition of our board and management. It is possible that these provisions could make it more difficult to accomplish transactions that stockholders may otherwise deem to be in their best interests.

SELLING SECURITYHOLDERS

This prospectus relates to the possible resale by certain of the selling securityholders from time to time of up to an aggregate of 15,521,322 shares of our common stock. The term “selling securityholders” includes donees, pledgees, transferees or other successors in interest selling securities received after the date of this prospectus from a selling securityholder as a gift, pledge, partnership distribution or other transfer.

On April 7, 2022, we entered into a securities purchase agreement, or the Purchase Agreement, with the selling securityholders, pursuant to which we sold in a private placement an aggregate of 18,815,159 shares of common stock, or the Shares, for an aggregate purchase price of \$79,399,970.98, and pre-funded warrants to purchase an aggregate of 5,000,000 shares of common stock, or the Warrant Shares, for an aggregate purchase price of \$21,095,000.00. Each pre-funded warrant had an exercise price of \$0.001 per underlying Warrant Share, with an aggregate exercise price for all such pre-funded warrants of \$5,000.00. This prospectus relates to the possible resale by certain of the purchasers under the Purchase Agreement of (i) 10,521,322 of the Shares sold under the Purchase Agreement and (ii) 5,000,000 of the Warrant Shares underlying the warrants sold under the Purchase Agreement.

The following table sets forth information concerning the shares of common stock that may be offered from time to time by each selling securityholder. The number of shares beneficially owned by each selling securityholder is determined under rules issued by the SEC. Under these rules, beneficial ownership includes any shares as to which the selling securityholder has sole or shared voting power or investment power. Percentage ownership is based on 31,825,055 shares of common stock outstanding as of May 1, 2022. In computing the number of shares beneficially owned by a selling securityholder and their percentage ownership, shares of common stock subject to options, warrants or other rights held by such selling securityholder that are currently exercisable or will become exercisable within 60 days of May 1, 2022 are considered outstanding, although these shares are not considered outstanding for purposes of computing the percentage ownership of any other selling securityholder. For purposes of this table, we have assumed that the selling securityholders will have sold all of the securities covered by this prospectus upon the completion of the offering. Each of the selling securityholders listed has sole voting and investment power with respect to the shares beneficially owned by the selling securityholder unless noted otherwise.

The information in the following table has been provided to us by or on behalf of the selling securityholders and the selling securityholders may have sold, transferred or otherwise disposed of all or a portion of their

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securities after the date on which they provided us with information regarding their securities. A selling securityholder may sell all, some or none of its securities in this offering. See “Plan of Distribution.”

Selling Securityholder	Common Stock Beneficially Owned Before this Offering		Maximum Number of Shares of Common Stock to be Sold Pursuant to this Prospectus	Common Stock Beneficially Owned Upon Completion of this Offering	
	Number	Percentage		Number	Percentage
Nantahala Capital Partners SI, LP ⁽¹⁾	1,186,041	3.7%	1,186,041	—	—
NCP RFM LP ⁽¹⁾	129,108	*	129,108	—	—
NCP CB LP ⁽¹⁾	350,558	1.1%	350,558	—	—
Pinehurst Partners, L.P. ⁽¹⁾	66,464	*	66,464	—	—
Nantahala Capital Partners Limited Partnership ⁽¹⁾	116,430	*	116,430	—	—
Nantahala Capital Partners II Limited Partnership ⁽¹⁾	165,008	*	165,008	—	—
Corbin Hedged Equity Fund, L.P. ⁽¹⁾	23,231	*	23,231	—	—
Blackwell Partners LLC - Series A ⁽¹⁾	332,828	1.0%	332,828	—	—
Samsara BioCapital, L.P. ⁽²⁾	1,777,251	5.6%	1,777,251	—	—
Investor Company ITF Rosalind Master Fund L.P. ⁽³⁾	1,184,834	3.7%	1,184,834	—	—
Pura Vida Investments, LLC and certain of its affiliates ⁽⁴⁾	2,782,091	8.7%	2,369,668	412,423	1.3%
Entities affiliated with Venrock ⁽⁵⁾	5,924,170	9.9%	5,924,170	—	—
Soleus Capital Master Fund, L.P. ⁽⁶⁾	592,417	1.9%	592,417	—	—
Armistice Capital Master Fund Ltd. ⁽⁷⁾	355,450	1.1%	355,450	—	—
Harlan Waksal ⁽⁸⁾	236,966	*	236,966	—	—
CVI Investments, Inc. ⁽⁹⁾	236,966	*	236,966	—	—
MLPF&S Custodian FPO Tim Foster IRRA FBO					
Tim Foster	171,511	*	118,483	53,028	*
Craig A. Wheeler	118,483	*	118,483	—	—
Edward T. Anderson ⁽¹⁰⁾	4,219,205	13.3%	118,483	4,100,722	12.9%
Altium Growth Fund, LP ⁽¹¹⁾	118,483	*	118,483	—	—

* Less than 1%.

- (1) Includes (i) 1,186,041 shares of common stock held of record by Nantahala Capital Partners SI, LP (“Nantahala Capital”), (ii) 129,108 shares of common stock held of record by NCP RFM LP (“RFM”), (iii) 350,558 shares of common stock held of record by NCP CB LP (“CB”), (iv) 116,430 shares of common stock held of record by Nantahala Capital Partners Limited Partnership (“Partners”), (v) 165,008 shares of common stock held of record by Nantahala Capital Partners II Limited Partnership (“Partners II”), (vi) 332,828 shares of common stock held of record by Blackwell Partners LLC – Series A (“Blackwell”), (vii) 23,231 shares of common stock held of record by Corbin Hedged Equity Fund, L.P. (“Corbin”) and (viii) 66,464 shares of common stock held of record by Pinehurst Partners, L.P. (“Pinehurst,” together with Nantahala Capital, RFM, CB, Partners, Partners II, Blackwell and Corbin, the “Entities Affiliated with Nantahala”). Nantahala Capital Management, LLC is a registered investment adviser and has been delegated the legal power to vote and/or direct the disposition of the shares held by each of the Entities Affiliated with Nantahala as General Partner, Investment Manager, or Sub-Advisor and would be considered the beneficial owner of such securities. The above shall not be deemed to be an admission by the record owners or the Entities Affiliated with Nantahala that they are themselves beneficial owners of these securities for purposes of Section 13(d) of the Securities Exchange Act of 1934, as amended, or the Exchange Act, or any other

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purpose. Wilmot Harkey and Daniel Mack are managing members of Nantahala Capital Management, LLC and may be deemed to have voting and dispositive power over the shares held by the Entities Affiliated with Nantahala.

- (2) Samsara BioCapital GP, LLC (“Samsara LLC”) is the general partner of Samsara BioCapital, L.P., the direct holder of the shares (“Samsara LP”). Samsara LLC may be deemed to beneficially own the shares held by Samsara LP. Srinivas Akkaraju, M.D., Ph.D. has voting and investment power over the shares held by Samsara LP and, accordingly, may be deemed to beneficially own the shares held by Samsara LP. Each of Samsara LLC and Dr. Akkaraju disclaims beneficial ownership in these shares except to the extent of his or its respective pecuniary interest therein.
- (3) Rosalind Advisors, Inc. is the investment advisor to Rosalind Master Fund L.P. and may be deemed the beneficial owner of shares held by Rosalind Master Fund L.P. Steven Salamon is the portfolio manager of Rosalind Advisors, Inc. and may be deemed to beneficially own the securities held by Rosalind Master Fund L.P.
- (4) Includes (A) 729,621 shares of common stock purchased under the Purchase Agreement and 255,516 other shares of common stock held by Pura Vida Master Fund Ltd. and 423,327 shares of common stock purchased under the Purchase Agreement and held by Pura Vida X Fund LP (the holders in this clause (A), collectively, the “PV Funds”); (B) 31,398 shares of common stock purchased under the Purchase Agreement and 11,336 other shares of common stock held by Sea Hawk Multi-Strategy Master Fund Ltd, 41,943 shares of common stock purchased under the Purchase Agreement and 18,960 other shares of common stock held by Walleye Manager Opportunities LLC, and 63,389 shares of common stock purchased under the Purchase Agreement and 28,964 other shares of common stock held by Walleye Opportunities Master Fund Ltd. (the holders in this clause (B), collectively, the “Managed Accounts”); and (C) 318,483 shares of common stock purchased under the Purchase Agreement and 97,647 other shares of common stock held by Highmark Limited, in respect of its Segregated Account Highmark Long/Short Equity 20 and 761,507 shares of common stock purchased under the Purchase Agreement held by Lockheed Martin Corporation Master Retirement Trust (the holders in this clause (C), collectively, the “Additional Managed Accounts”). All shares of common stock purchased under the Purchase Agreement are referred to herein as the “Registrable Shares”. Pura Vida Investments, LLC (“PVI”) serves as the investment manager to the PV Funds and Additional Managed Accounts and the sub-adviser to the Managed Accounts. Efreem Kamen serves as the managing member of PVI. By virtue of these relationships, PVI and Efreem Kamen may be deemed to have shared voting and dispositive power with respect to the Registrable Shares held by the PV Funds, the Managed Accounts, and the Additional Managed Accounts. This filing shall not be deemed an admission that PVI and/or Efreem Kamen are beneficial owners of the Registrable Shares for purposes of Sections 13 and 16 of the Securities Exchange Act of 1934, as amended, or for any other purpose. Each of PVI and Efreem Kamen disclaims beneficial ownership of the Registrable Shares reported herein except to the extent of each PVI’s and Efreem Kamen’s respective pecuniary interest, if any, therein. Based on information provided to us by the Managed Accounts, each of the Managed Accounts may be deemed to be an affiliate of a broker-dealer. Based on such information, the Managed Accounts acquired the Registrable Shares in the ordinary course of business, and at the time of the acquisition of the Registrable Shares, the Managed Accounts did not have any agreements or understandings with any person to distribute such Registrable Shares.
- (5) Includes (i) 361,628 shares of common stock held of record by Venrock Healthcare Capital Partners EG, L.P. (“VHCP EG”) and 1,956,500 shares of common stock underlying warrants exercisable within 60 days of May 1, 2022 held of record by VHCP EG, (ii) 32,161 shares of common stock held of record by VHCP Co-Investment Holdings III, LLC (“VHCP III Co”) and 174,000 shares of common stock underlying warrants exercisable within 60 days of May 1, 2022 held of record by VHCP III Co., (iii) 148,699 shares of common stock held of record by Venrock Healthcare Capital Partners II, L.P. (“VHCP II”) and 804,500 shares of common stock underlying warrants exercisable within 60 days of May 1, 2022 held of record by VHCP II, and (iv) 60,256 shares of common stock held of record by VHCP Co-Investment Holdings II, LLC (“VHCP II Co”) and 326,000 shares of common stock underlying warrants exercisable within 60 days of May 1, 2022 held of record by VHCP II, (v) 321,426 shares of common stock held of record by Venrock Healthcare Capital Partners III, L.P. (“VHCP III”) and, together with VHCP EG, VHCP III Co, VHCP II and

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VHCP II Co, the “Entities Affiliated with Venrock”) and 1,739,000 shares of common stock underlying warrants exercisable within 60 days of May 1, 2022 held of record by VHCP III. VHCP Management II, LLC (“VHCPM II”) is the sole general partner of VHCP II and the sole manager of VHCP II Co. VHCP Management III, LLC (“VHCPM III”) is the sole general partner of VHCP III and the sole manager of VHCP III Co. VHCP Management EG, LLC (“VHCPM EG”) is the sole general partner of VHCP EG, L.P. Dr. Bong Koh and Nimish Shah are the voting members of VHCPM II, VHCPM III and VHCPM EG. Dr. Koh, Mr. Shah, VHCPM II, VHCPM III and VHCPM EG disclaim beneficial ownership over all shares held by VHCP II, VHCP III, VHCP II Co, VHCP III Co, and VHCP EG, except to the extent of their respective indirect pecuniary interests therein. Under the terms of the warrants, the Company may not effect the exercise of any such warrant, and a holder will not be entitled to exercise any portion of such warrant, if, upon giving effect to such exercise, the aggregate number of shares of common stock beneficially owned by the holder (together with its affiliates and other attribution parties) would exceed 9.999% of the number of shares of common stock outstanding immediately after giving effect to the exercise. Accordingly, notwithstanding the number of shares of common stock listed above as being beneficially owned by the Entities Affiliated with Venrock, the Entities Affiliated with Venrock disclaim beneficial ownership of the shares of common stock issuable upon exercise of the warrants to the extent the number of shares of Common Stock beneficially owned by each Entity Affiliated with Venrock and any other person or entities with which such entity’s beneficial ownership would be aggregated for purposes of Section 13(d) of the Exchange Act would exceed 9.999% of the total number of shares of common stock outstanding.

- (6) The shares are directly held by Soleus Capital Master Fund, L.P. (“Master Fund”). Soleus Capital, LLC is the sole general partner of Master Fund and thus holds voting and dispositive power over the securities held by Master Fund. Soleus Capital Group, LLC is the sole managing member of Soleus Capital, LLC. Guy Levy is the sole managing member of Soleus Capital Group, LLC. Each of Soleus Capital Group, LLC, Soleus Capital, LLC and Mr. Guy Levy disclaims beneficial ownership of these securities, except to the extent of their respective pecuniary interests therein.
- (7) The shares are directly held by Armistice Capital Master Fund Ltd. (the “Master Fund”), a Cayman Islands exempted company, and may be deemed to be indirectly beneficially owned by (i) Armistice Capital, LLC (“Armistice”), as the investment manager of the Master Fund and (ii) Steven Boyd, as the Managing Member of Armistice Capital. Armistice and Steven Boyd disclaim beneficial ownership of the reported securities except to the extent of their respective pecuniary interest therein.
- (8) Harlan Waksal is the Executive Chairman of the Company and a member of the Company’s board of directors.
- (9) Heights Capital Management, Inc., the authorized agent of CVI Investments, Inc. (“CVI”), has discretionary authority to vote and dispose of the shares held by CVI and may be deemed to be the beneficial owner of these shares. Martin Kobinger, in his capacity as Investment Manager of Heights Capital Management, Inc., may also be deemed to have investment discretion and voting power over the shares held by CVI. Mr. Kobinger disclaims any such beneficial ownership of the shares except to the extent of his pecuniary interest therein. CVI Investments, Inc. is affiliated with one or more FINRA member, none of whom are currently expected to participate in the sale pursuant to the prospectus contained in the Registration Statement of Shares purchased by the Investor in this offering.
- (10) Includes (A) 118,483 shares of common stock are held by Edward T. Anderson directly and 17,722 shares of common stock are held pursuant to stock options owned directly by Mr. Anderson as to which such shares are or will be immediately exercisable within 60 days of May 1, 2022 and (B) 1,855,443 shares of common stock held by North Bridge Venture Partners V-A, L.P. (“NBVP V-A”), 909,424 shares of common stock held by North Bridge Venture Partners V-B, L.P. (“NBVP V-B”) and 1,318,133 shares of common stock held by North Bridge Venture Partners VI, L.P. (“NBVP VI”). North Bridge Venture Management V, L.P. (“NBVM V”) is the sole general partner of NBVP V-A and NBVP V-B and may be deemed to have voting, investment and dispositive power with respect to the shares held by NBVP V-A and NBVP V-B. North Bridge Venture Management VI, L.P. (“NBVM VI”) is the sole general partner of NBVP VI and may be deemed to have voting, investment and dispositive power with respect to the shares held by NBVP VI. NBVM GP, LLC is the sole general partner of each of NBVM V and NBVM VI and may be deemed to have voting, investment and dispositive power with respect to the shares held by each of NBVP

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V-A, NBVP V-B and NBVP VI. Richard A. D'Amore and Edward T. Anderson are the managing members of NBVM GP, LLC and may each be deemed to share voting, investment and dispositive power with respect to the shares held by NBVP V-A, NBVP V-B and NBVP VI. Mr. Anderson is a member of the Company's board of directors.

- (11) Altium Capital Management, LP, the investment manager of Altium Growth Fund, LP, has voting and investment power over these securities. Jacob Gottlieb is the managing member of Altium Capital Growth GP, LLC, which is the general partner of Altium Growth Fund, LP. Each of Altium Growth Fund, LP and Jacob Gottlieb disclaims beneficial ownership over these securities.

PLAN OF DISTRIBUTION

The selling securityholders and any of their pledgees, donees, transferees, assignees or other successors-in-interest may, from time to time, sell, transfer or otherwise dispose of any or all of their shares of common stock or interests in shares of common stock on any stock exchange, market or trading facility on which the shares are traded or in private transactions. These dispositions may be at fixed prices, at prevailing market prices at the time of sale, at prices related to the prevailing market price, at varying prices determined at the time of sale, or at negotiated prices. The selling securityholders may use one or more of the following methods when disposing of the shares or interests therein:

- ordinary brokerage transactions and transactions in which the broker-dealer solicits purchasers;
- block trades in which the broker-dealer will attempt to sell the shares as agent but may position and resell a portion of the block as principal to facilitate the transaction;
- through brokers, dealers or underwriters that may act solely as agents;
- purchases by a broker-dealer as principal and resale by the broker-dealer for its account;
- an exchange distribution in accordance with the rules of the applicable exchange;
- privately negotiated transactions;
- through the writing or settlement of options or other hedging transactions entered into after the effective date of the registration statement of which this prospectus is a part, whether through an options exchange or otherwise;
- broker-dealers may agree with the selling securityholders to sell a specified number of such shares at a stipulated price per share;
- a combination of any such methods of disposition; and
- any other method permitted pursuant to applicable law.

The selling securityholders may also sell shares under Rule 144 or Rule 904 under the Securities Act of 1933, as amended, or Securities Act, if available, or Section 4(a)(1) under the Securities Act, rather than under this prospectus.

Broker-dealers engaged by the selling securityholders may arrange for other broker-dealers to participate in sales. Broker-dealers may receive commissions or discounts from the selling securityholders (or, if any broker-dealer acts as agent for the purchaser of shares, from the purchaser) in amounts to be negotiated. The selling securityholders do not expect these commissions and discounts to exceed what is customary in the types of transactions involved.

The selling securityholders may, from time to time, pledge or grant a security interest in some or all of the shares of common stock owned by them and, if they default in the performance of their secured obligations, the pledgees or secured parties may offer and sell shares of common stock from time to time under this prospectus, or under a supplement or amendment to this prospectus under Rule 424(b)(3) or other applicable provision of the Securities Act amending the list of selling securityholders to include the pledgee, transferee or other successors in interest as selling securityholders under this prospectus.

Upon being notified in writing by a selling securityholder that any material arrangement has been entered into with a broker-dealer for the sale of common stock through a block trade, special offering, exchange distribution or secondary distribution or a purchase by a broker or dealer, we will file a supplement to this prospectus, if required, pursuant to Rule 424(b) under the Securities Act, disclosing (i) the name of each such selling securityholder and of the participating broker-dealer(s), (ii) the number of shares involved, (iii) the price at which such shares of common stock were sold, (iv) the commissions paid or discounts or concessions allowed

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to such broker-dealer(s), where applicable, (v) that such broker-dealer(s) did not conduct any investigation to verify the information set out or incorporated by reference in this prospectus, and (vi) other facts material to the transaction. In addition, upon being notified in writing by a selling securityholder that a donee or pledgee intends to sell more than 500 shares of common stock, we will file a supplement to this prospectus if then required in accordance with applicable securities law.

The selling securityholders also may transfer the shares of common stock in other circumstances, in which case the transferees, pledgees or other successors in interest will be the selling beneficial owners for purposes of this prospectus.

In connection with the sale of the shares of common stock or interests in shares of common stock, the selling securityholders may enter into hedging transactions with broker-dealers or other financial institutions, which may in turn engage in short sales of the common stock in the course of hedging the positions they assume. The selling securityholders may also sell shares of common stock short and deliver these securities to close out their short positions, or loan or pledge the common stock to broker-dealers that in turn may sell these securities. The selling securityholders may also enter into option or other transactions with broker-dealers or other financial institutions or the creation of one or more derivative securities which require the delivery to such broker-dealer or other financial institution of shares offered by this prospectus, which shares such broker-dealer or other financial institution may resell pursuant to this prospectus (as supplemented or amended to reflect such transaction).

The selling securityholders and any broker-dealers or agents that are involved in selling the shares may be deemed to be “underwriters” within the meaning of the Securities Act in connection with such sales. In such event, any profits realized by such selling securityholders or compensation received by such broker-dealers or agents may be deemed to be underwriting commissions or discounts under the Securities Act. The maximum commission or discount to be received by any member of the Financial Industry Regulatory Authority (FINRA) or independent broker-dealer will not be greater than 8% of the initial gross proceeds from the sale of any security being sold.

We have advised the selling securityholders that they are required to comply with Regulation M promulgated under the Securities Exchange Act of 1934, as amended, during such time as they may be engaged in a distribution of the shares. The foregoing may affect the marketability of the common stock.

The aggregate proceeds to the selling securityholders from the sale of the common stock offered by them will be the purchase price of the common stock less discounts or commissions, if any. Each of the selling securityholders reserves the right to accept and, together with their agents from time to time, to reject, in whole or in part, any proposed purchase of common stock to be made directly or through agents. We will not receive any of the proceeds from this offering.

We are required to pay all fees and expenses incident to the registration of the shares. We have agreed to indemnify the selling securityholders against certain losses, claims, damages and liabilities, including liabilities under the Securities Act or otherwise.

We have agreed with the selling securityholders to keep the registration statement of which this prospectus constitutes a part effective until the earlier of (a) such time as all of the shares covered by this prospectus have been disposed of pursuant to and in accordance with the registration statement and (b) such time as none of the shares covered by this prospectus constitute “registrable securities”, as such term is defined in the registration rights agreement by and among us and the selling securityholders.

LEGAL MATTERS

The validity of the common stock being offered by this prospectus has been passed upon for us by Latham & Watkins LLP.

EXPERTS

The consolidated financial statements as of December 31, 2021 and 2020 and for each of the two years in the period ended December 31, 2021 incorporated by reference in this Prospectus and in the Registration Statement have been so incorporated in reliance on the report of BDO USA, LLP, an independent registered public accounting firm, incorporated herein by reference, given on the authority of said firm as experts in auditing and accounting. The report contains an explanatory paragraph regarding our ability to continue as a going concern.