

PROSPECTUS SUPPLEMENT
 (To Prospectus dated May 12, 2022)

ARCADIA BIOSCIENCES, INC.

2,450,000 Shares of Common Stock
Pre-Funded Warrants to Purchase up to 2,272,506 Shares of Common Stock
Up to 2,272,506 Shares of Common Stock underlying the Pre-Funded Warrants

We are offering to a single institutional investor 2,450,000 shares of our common stock, par value \$0.001 per share (the “common stock”), pre-funded warrants to purchase up to 2,272,506 shares of common stock (“Pre-Funded Warrants”) and the shares of common stock underlying the Pre-Funded Warrants in this offering through this prospectus supplement and the accompanying base prospectus.

In a concurrent private placement to the same institutional investor, we are issuing to such investor unregistered preferred investment options to purchase 4,722,506 shares of common stock (the “Preferred Investment Options”). Each Preferred Investment Option will be exercisable for one share of common stock at an exercise price of \$0.93376 per share, will be immediately exercisable and will expire five years from the date of issuance. The Preferred Investment Options and the shares of common stock issuable upon exercise of the Preferred Investment Options are being offered pursuant to the exemptions provided in Section 4(a)(2) under the Securities Act of 1933, as amended, or the Securities Act, and Rule 506(b) promulgated thereunder, and they are not being offered pursuant to this prospectus supplement and the accompanying prospectus.

The purchase price per share of common stock is \$1.05876 and the purchase price per Pre-Funded Warrant is \$1.05866 per share of common stock underlying such Pre-Funded Warrant (equal to the purchase price per share of common stock, minus the exercise price of \$0.0001). The aggregate purchase price for the securities offered is \$5,000,000.45.

Our common stock is listed on The Nasdaq Capital Market under the symbol “RKDA.” The closing price of our common stock on August 11, 2022, as reported by Nasdaq, was \$0.95 per share. The Pre-Funded Warrants and the Preferred Investment Options are not and will not be listed for trading on any national securities exchange.

As of August 11, 2022, the aggregate market value of our outstanding common stock held by non-affiliates was approximately \$24,634,186, which was calculated based on 22,192,960 shares of outstanding common stock held by non-affiliates, at a price per share of \$1.11, the closing price of our common stock on June 14, 2022, the highest closing price of the Company’s common stock on the Nasdaq Capital Market during the preceding 60-day period. Pursuant to General Instruction I.B.6 of Form S-3, in no event will we sell the securities described in this prospectus in a public primary offering with a value exceeding one-third of the aggregate market value of our common stock held by non-affiliates in any 12-month period, so long as the aggregate market value of our outstanding common stock held by non-affiliates remains below \$75,000,000. During the 12 calendar months prior to and including the date of this prospectus supplement (but excluding this offering), we have not offered or sold any securities pursuant to General Instruction I.B.6 of Form S-3.

	Per Share	Per Pre-Funded Warrant	Total
Offering Price	\$1.05876	\$1.05866	\$5,000,000.45
Placement Agent Fees ⁽¹⁾	\$0.06353	\$0.06352	\$300,000.03
Proceeds to us before offering expenses	\$0.99523	\$0.99514	\$4,700,000.42

(1) Includes a cash fee of 6.0% of the aggregate gross proceeds in this offering. In addition, we have agreed to pay a cash management fee of 1.0% of the gross proceeds raised in this offering and \$60,000 to reimburse the placement agent for certain of its expenses and to issue warrants to purchase shares of common stock to the placement agent (or its designees) as described under the “Plan of Distribution” on page S-6 of this prospectus supplement.

Investing in our securities involves significant risks. See “Risk Factors” beginning on page S-3 of this prospectus supplement and on page 3 of the accompanying prospectus and the documents incorporated by reference herein.

Neither the Securities and Exchange Commission nor any state securities commission has approved or disapproved of these securities or determined if this prospectus supplement or the accompanying prospectus is truthful or complete. Any representation to the contrary is a criminal offense.

We have retained H.C. Wainwright & Co., LLC (the “Placement Agent”) to act as our exclusive placement agent in connection with this offering. The Placement Agent has no obligation to buy any of the securities from us or to arrange for the purchase or sale of any specific number or dollar amount of securities. We have agreed to pay the Placement Agent the placement agent fees set forth in the table above. See “Plan of Distribution” beginning on page S-6 of this prospectus supplement for more information regarding these arrangements.

Delivery of the securities offered hereby is expected to occur on or about August 16, 2022, subject to satisfaction of certain closing conditions.

H.C. Wainwright & Co.

The date of this prospectus supplement is August 12, 2022.

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ABOUT THIS PROSPECTUS SUPPLEMENT

This prospectus supplement and the accompanying prospectus form part of a registration statement on Form S-3 that we filed with the Securities and Exchange Commission (the “SEC”), under the Securities Act, using a “shelf” registration or continuous offering process. This document is in two parts. The first part is this prospectus supplement, which describes the specific terms of this offering and certain other matters and may add, update or change information in the accompanying prospectus, including the documents incorporated by reference into this prospectus supplement. The second part is the accompanying prospectus dated May 12, 2022, including the documents incorporated by reference therein, which provides you with general information about securities we may offer from time to time, some of which may not apply to this offering. Generally, when we refer to this prospectus, we are referring to both parts of this document combined. To the extent there is a conflict between the information contained in this prospectus supplement, on the one hand, and the information contained in the accompanying prospectus, on the other hand, you should rely on the information in this prospectus supplement. These documents contain important information you should consider when making your investment decision.

You should rely only on the information provided in this prospectus supplement and the accompanying prospectus, including any information incorporated by reference, and in any free writing prospectus that we have authorized for use in connection with this offering. We have not, and the placement agent has not, authorized anyone to provide you with any other information. The information contained in this prospectus supplement and the accompanying prospectus speaks only as of the date set forth on the cover page and may not reflect subsequent changes in our business, financial condition, results of operations and prospects.

We are not, and the placement agent is not, making offers to sell these securities in any jurisdiction in which an offer or solicitation is not authorized or permitted or in which the person making such offer or solicitation is not qualified to do so or to any person to whom it is unlawful to make such an offer or solicitation. You should read this prospectus supplement, the accompanying prospectus, including any information incorporated by reference, and any free writing prospectus that we have authorized for use in connection with this offering, in their entirety before making an investment decision. You should also read and consider the information in the documents to which we have referred you in the sections entitled “Where You Can Find More Information” and “Incorporation of Certain Information by Reference”.

Unless otherwise stated or the context requires otherwise, references in this prospectus to “Arcadia Biosciences,” the “company,” or the “Company,” “we,” “us,” or “our” refer to Arcadia Biosciences, Inc. and our subsidiaries, taken together. The Arcadia Biosciences logo and other trademarks or service marks of the Company appearing in this prospectus are the property of Arcadia Biosciences, Inc. All other brand names or trademarks appearing in this prospectus are the property of their respective owners.

PROSPECTUS SUPPLEMENT SUMMARY

This summary highlights selected information appearing elsewhere in this prospectus supplement or in the accompanying prospectus or incorporated by reference into this prospectus supplement and the accompanying prospectus, and does not contain all of the information that may be important to you or that you should consider before investing in our securities. Before making an investment decision, you should read this prospectus supplement, the accompanying prospectus and the information incorporated by reference herein in their entirety, including “Risk Factors” beginning on page S-3 of this prospectus supplement and on page 3 of the accompanying prospectus.

Company Overview

We are a producer and marketer of innovative, plant-based health and wellness products. Our history as a leader in science-based approaches to developing high value crop improvements, primarily in wheat, designed to enhance farm economics by improving the performance of crops in the field, as well as their value as food ingredients, health and wellness products, and their viability for industrial applications, has laid the foundation for our path forward. We have used non-genetically modified advanced breeding techniques to develop these proprietary innovations which we are now commercializing through the sales of seed and grain, food ingredients and products, hemp extracts, trait licensing and royalty agreements. Our food, beverage and body care products include GoodWheat™, Zola® coconut water, ProVault™ topical pain relief and SoulSpring™ bath and body care.

We are a Delaware corporation founded in 2002, and our principal executive offices are located at 202 Cousteau Place, Suite 105, Davis, CA 95618. Our telephone number is (530) 756-7077. Our website is located at www.arcadiabio.com. Information contained on, or that can be accessed through, our website is not part of this prospectus.

The Company files annual, quarterly and special reports, proxy statements and other information with the SEC. You may read and copy any document filed by the Company at the SEC's Public Reference Room at 100 F Street, N.E., Washington, D.C. 20549. Please call the SEC at 1-800-SEC-0330 for further information on the public reference room. The Company's filings with the SEC are also available to the public on the SEC's web site at <http://www.sec.gov>. Additional information regarding the Company, including our audited financial statements and descriptions of our business, is contained in the documents incorporated by reference in this prospectus supplement. See "Where You Can Find More Information" and "Incorporation of Certain Information by Reference" in this prospectus supplement and the accompanying prospectus. Our common stock is listed on The Nasdaq Capital Market, under the symbol "RKDA."

THE OFFERING

Common Stock offered:	2,450,000 shares of common stock
Pre-Funded Warrants Offered	We are also offering the Pre-Funded Warrants to purchase up to 2,272,506 shares of common stock in lieu of shares of common stock because the purchase of shares of common stock in this offering would otherwise result in the investor, together with its affiliates, beneficially owning more than 9.99% of our outstanding common stock immediately following the consummation of this offering. Each Pre-Funded Warrant is exercisable for one share of our common stock at an exercise price of \$0.0001 per share. The Pre-Funded Warrants are exercisable immediately upon issuance and may be exercised at any time until all of the Pre-Funded Warrants are exercised in full. This prospectus supplement and the accompanying base prospectus also relate to the offering of the shares of common stock issuable upon exercise of the Pre-Funded Warrants.
Common stock to be outstanding after this offering	24,642,960 shares (assuming no exercise of the Pre-Funded Warrants). Assuming all of the Pre-Funded Warrants were immediately exercised, there would be 26,915,466 shares of our common stock outstanding after this offering. (1).
Concurrent private placement	Concurrently with this offering, we are also issuing in a private placement to the investor in this offering preferred investment options (the "Preferred Investment Options") to purchase up to 4,722,506 shares of common stock at an exercise price of \$0.93376 per share, which will be immediately exercisable and will expire five years from the date of issuance. The Preferred Investment Options and the shares of our common stock issuable upon exercise of each such security are not being registered under the Securities Act of 1933, as amended, or the Securities Act, and are not being offered pursuant to this prospectus supplement and the accompanying prospectus, but are being offered pursuant to the exemption provided in Section 4(a)(2) under the Securities Act and Rule 506(b) promulgated thereunder.
Use of proceeds	We intend to use the net proceeds from the sale of the securities offered by this prospectus for general corporate purposes. See "Use of Proceeds"
Dividend policy	We do not anticipate paying any cash dividends on our common stock.
Nasdaq Capital Market symbol	Our common stock is listed on The Nasdaq Capital Market under the symbol "RKDA."
Risk factors	Investing in our securities involves significant risks. See "Risk Factors" beginning on page S-3 of this prospectus supplement and on page 3 of the accompanying prospectus and the documents incorporated by reference herein.

Unless we indicate otherwise, all information in this prospectus is based on 22,192,960 shares of common stock outstanding as of August 12, 2022, and excludes:

- 2,231,321 shares of our common stock issuable upon exercise of outstanding stock options under our equity incentive plans with a weighted average exercise price of \$3.52 per share;
- 11,350,011 shares of our common stock issuable upon the exercise of outstanding warrants, other than the warrants described in the bullet points below, at a weighted average exercise price of \$4.36 per share;
- 4,722,506 shares of our common stock issuable upon the exercise of the Preferred Investment Options; and
- 236,125 shares of our common stock issuable upon the exercise of the warrants to be issued to the placement agent as compensation at an exercise price of \$1.32345 per share, as described in "Plan of Distribution."

RISK FACTORS

Any investment in our securities involves a high degree of risk. Before deciding whether to invest in our securities, you should carefully consider the risks described below and discussed under the section captioned "Risk Factors" beginning on page 3 of the accompanying prospectus, together with other information in this prospectus supplement, the accompanying prospectus, and the documents incorporated by reference in this prospectus supplement and the accompanying prospectus. Our business, financial condition, results of operations and prospects could be materially and adversely affected by these risks if any of them actually occur. The risks and uncertainties described below are not the only ones we face. Additional risks not currently known to us or other factors not perceived by us to present significant risks to our business at this time also could adversely affect our business, operating results and financial conditions, as well as adversely affect the value of an investment in our securities. This prospectus supplement, the accompanying prospectus and the documents incorporated by reference herein and therein also contain forward-looking statements that involve risks and uncertainties. Our actual results could differ materially from those anticipated in these forward-looking statements as a result of certain factors, including the risks we face as described below and elsewhere in this prospectus supplement, the accompanying prospectus and the documents incorporated herein.

Risks Related to this Offering

Because we will have broad discretion and flexibility in how the net proceeds from this offering are used, we may use the net proceeds in ways in which you disagree.

Our management will have broad discretion as to the application of the net proceeds of this offering and could use them for purposes other than those contemplated at the time of this offering. Our stockholders may not agree with the manner in which our management chooses to allocate and spend the net proceeds. Moreover, our management may use the net proceeds for corporate purposes that may not increase the market price of our common stock. See "Use of Proceeds" for additional information.

The price of our common stock may be volatile.

The market price of our common stock may fluctuate substantially. The price of our common stock that will prevail in the market after this offering may be higher or lower than the price that you have paid, depending on many factors, some of which are beyond our control and may not be related to our operating performance. Stock market volatility may also adversely affect the trading price of our common stock. In the past, following periods of volatility in the market price of a company's securities, stockholders have often instituted class action securities litigation against those companies. Such litigation, if instituted, could result in substantial costs and diversion of management attention and resources, which could significantly harm our profitability and reputation.

Future sales of substantial amounts of our Common Stock, or the possibility that such sales could occur, could adversely affect the market price of our Common Stock.

Future sales in the public market of our common stock, including shares offered by the prospectus supplement or shares issued upon exercise of our outstanding stock options, warrants or convertible securities, or the perception by the market that these issuances or sales could occur, could lower the market price of our common stock or make it difficult for us to raise additional capital. As of August 12, 2022, we had approximately 22,192,960 shares of common stock issued and outstanding, substantially all of which we believe may be sold publicly, subject in some cases to volume and other limitations, provisions or limitations in registration rights agreements, or prospectus-delivery or other requirements relating to the effectiveness and use of registration statements registering the resale of such shares.

As of August 12, 2022, we had reserved for issuance approximately 2,231,321 shares of our common stock issuable upon the exercise of outstanding stock options under our equity incentive plans at a weighted-average exercise price of \$3.52 per share, and we had outstanding warrants to purchase approximately 11,350,011 shares of common stock at a weighted average exercise price of \$4.36 per share. Subject to applicable vesting requirements, upon exercise of these options or warrants, the underlying shares may be resold into the public market, subject in some cases to volume and other limitations or prospectus-delivery requirements pursuant to registration statements registering the resale of such shares. In the case of outstanding options or warrants that have exercise prices that are below the market price of our common stock from time to time, our stockholders would experience dilution upon the exercise of these options.

CAUTIONARY NOTE REGARDING FORWARD-LOOKING STATEMENTS

This prospectus supplement contains forward-looking statements within the meaning of the federal securities laws, which statements involve substantial risks and uncertainties. Forward-looking statements generally relate to future events, our future financial or operating performance, growth strategies, anticipated trends in our industry, and our potential opportunities, plans, and objectives. In some cases, you can identify forward-looking statements because they contain words such as "may," "will," "should," "expects," "plans," "anticipates," "could," "intends," "target," "projects," "contemplates," "believes," "estimates," "predicts," "potential," or "continue" or the negative of these words or other similar terms or expressions that concern our expectations, strategy, plans, or intentions. Forward-looking statements contained in this prospectus supplement include, but are not limited to, statements about:

- our or our collaborators' ability to develop commercial products that incorporate our traits and complete the regulatory process for such products;
- our ability to earn revenues from the sale of products that incorporate our traits;
- our ability to maintain our strategic collaborations and joint ventures and enter into new arrangements;
- estimated commercial value for traits;
- market conditions for products, including competitive factors and the supply and pricing of competing products;
- compliance with laws and regulations that impact our business, and changes to such laws and regulations;
- our ability to maintain, protect, and enhance our intellectual property;
- our future capital requirements and our ability to satisfy our capital needs;
- industry conditions and market conditions; and
- the preceding and other factors discussed in other reports we may file with the Securities and Exchange Commission from time to time.

You should read this prospectus supplement and the accompanying prospectus and the documents that we reference herein and therein and have filed as exhibits to the registration statement of which this prospectus supplement is part, completely and with the understanding that our actual future results may be materially different from what we expect. You should assume that the information appearing in this prospectus supplement and the accompanying prospectus is accurate as of the date on the front cover of this prospectus supplement only. Because the risk factors referred to elsewhere in the prospectus supplement could cause actual results or outcomes to differ materially from those expressed in any forward-looking statements made by us or on our behalf, you should not place undue reliance on any forward-looking statements. Further, any forward-looking statement speaks only as of the date on which it is made, and except as may be required by applicable law, we undertake no obligation to update any forward-looking statement to reflect events or circumstances after the date on which the statement is made or to reflect the occurrence of unanticipated events. New factors emerge from time to time, and it is not possible for us to predict which factors will arise. In addition, we cannot assess the impact of each factor on our business or the extent to which any factor, or combination of factors, may cause actual results to differ materially from those contained in any forward-looking statements. We qualify all of the information presented in this prospectus supplement and the accompanying prospectus, and particularly our forward-looking statements, by these cautionary statements.

USE OF PROCEEDS

We estimate that the net proceeds from this offering will be approximately \$4.57 million, after deducting the placement agent fees and estimated offering expenses payable by us and excluding any proceeds we may receive upon exercise of the warrants being offered in the concurrent private placement.

We intend to use the proceeds from this offering for general working capital needs and general corporate costs, in addition to supporting Project Greenfield initiatives. Project Greenfield aligns company resources around several key goals, including expanding retail for the company's GoodWheat high-fiber pasta, driving growth in its other core brands and partnerships.

Pending the use of the net proceeds, we intend to invest the net proceeds in short-term, interest-bearing, investment-grade securities.

DESCRIPTION OF SECURITIES WE ARE OFFERING

In this offering, we are offering 2,450,000 shares of our common stock and pre-funded warrants to purchase up to 2,272,506 shares of our common stock.

Common Stock

The material terms and provisions of our common stock are described under the caption “Description of Capital Stock” starting on page 3 of the accompanying base prospectus.

Pre-Funded Warrants

The following summary of certain terms and provisions of the Pre-Funded Warrants that are being offered hereby is not complete and is subject to, and qualified in its entirety by, the provisions of the Pre-Funded Warrant, the form of which will be filed as an exhibit to our Current Report on Form 8-K. Prospective investors should carefully review the terms and provisions of the form of Pre-Funded Warrant for a complete description of the terms and conditions of the Pre-Funded Warrants.

The term “pre-funded” refers to the fact that the purchase price of our common stock in this offering includes almost the entire exercise price that will be paid under the Pre-Funded Warrants, except for a nominal remaining exercise price of \$0.0001. The purpose of the Pre-Funded Warrants is to enable investors that may have restrictions on their ability to beneficially own more than 9.99% of our outstanding common stock following the consummation of this offering the opportunity to make an investment in the Company without triggering their ownership restrictions, by receiving Pre-Funded Warrants in lieu of our common stock which would result in such ownership of more than 9.99%, and receive the ability to exercise their option to purchase the shares underlying the Pre-Funded Warrants at such nominal price at a later date.

Duration and Exercise Price. Each Pre-Funded Warrant offered hereby has an initial exercise price per share equal to \$0.0001. The Pre-Funded Warrants are immediately exercisable and may be exercised at any time until the Pre-Funded Warrants are exercised in full. The exercise price and number of shares of common stock issuable upon exercise is subject to appropriate adjustment in the event of stock dividends, stock splits, reorganizations or similar events affecting our common stock and the exercise price.

Exercisability. The Pre-Funded Warrants are exercisable, at the option of each holder, in whole or in part, by delivering to us a duly executed exercise notice accompanied by payment in full for the number of shares of our common stock purchased upon such exercise (except in the case of a cashless exercise as discussed below). Purchasers of the Pre-Funded Warrants in this offering may elect to deliver their exercise notice following the pricing of the offering and prior to the issuance of the Pre-Funded Warrants at closing to have their Pre-Funded Warrants exercised immediately upon issuance and receive shares of common stock underlying the Pre-Funded Warrants upon closing of this offering. A holder (together with its affiliates) may not exercise any portion of the Pre-Funded Warrant to the extent that the holder would own more than 9.99% of the outstanding common stock. No fractional shares of common stock will be issued in connection with the exercise of a Pre-Funded Warrant. In lieu of fractional shares, we will round down to the next whole share.

Cashless Exercise. In lieu of making the cash payment otherwise contemplated to be made to us upon exercise of a Pre-Funded Warrant in payment of the aggregate exercise price, the holder may elect instead to receive upon such exercise (either in whole or in part) the net number of shares of common stock determined according to a formula set forth in the Pre-Funded Warrants.

Transferability. Subject to applicable laws, a Pre-Funded Warrant may be transferred at the option of the holder upon surrender of the Pre-Funded Warrant to us together with the appropriate instruments of transfer.

Exchange Listing. There is no trading market available for the Pre-Funded Warrants on any securities exchange or nationally recognized trading system. We do not intend to list the Pre-Funded Warrants on any securities exchange or nationally recognized trading system.

Right as a Stockholder. Except as otherwise provided in the Pre-Funded Warrants or by virtue of such holder’s ownership of shares of our common stock, the holders of the Pre-Funded Warrants do not have the rights or privileges of holders of our common stock, including any voting rights, until they exercise their Pre-Funded Warrants.

Fundamental Transaction. In the event of a fundamental transaction, as described in the Pre-Funded Warrants and generally including any reorganization, recapitalization or reclassification of our common stock, the sale, transfer or other disposition of all or substantially all of our properties or assets, our consolidation or merger with or into another person, the acquisition of more than 50% of our outstanding common stock, or any person or group becoming the beneficial owner of 50% of the voting power represented by our outstanding common stock, the holders of the Pre-Funded Warrants will be entitled to receive upon exercise of the Pre-Funded Warrants

the kind and amount of securities, cash or other property that the holders would have received had they exercised the Pre-Funded Warrants immediately prior to such fundamental transaction.

PLAN OF DISTRIBUTION

Pursuant to an engagement letter agreement dated as of August 12, 2022, we have engaged H.C. Wainwright & Co., LLC (“Wainwright”) to act as our exclusive placement agent in connection with this offering. Wainwright is not purchasing or selling any shares, nor are they required to arrange for the purchase and sale of any specific number or dollar amount of shares other than the use their reasonable “best efforts” to arrange for the sale of shares by us. Therefore, we may not sell the entire amount of shares being offered. Wainwright may engage one or more sub-agents or selected dealers to assist with the offering.

We have entered into a securities purchase agreement directly with the investor in connection with this offering, and we will only sell to investors who have entered into the securities purchase agreement.

We expect to deliver the securities being offered pursuant to this prospectus supplement on or about August 16, 2022, subject to satisfaction of customary closing conditions.

Upon the closing of this offering, we will pay Wainwright a cash transaction fee equal to 6.0% of the gross proceeds to us from the sale of shares and Pre-Funded Warrants in this offering. We will also pay Wainwright \$60,000 for accountable and non-accountable expenses, a management fee equal to 1.0% of the gross proceeds raised in the offering, and \$15,950 for clearing expenses. We estimate the total expenses payable by us to Wainwright for this offering will be approximately \$426,000, which amount includes the Wainwright’s fees and expenses. In addition, we have agreed to issue to Wainwright warrants to purchase up to 5% of the aggregate number of shares of common stock and Pre-Funded Warrants sold in this offering (or 236,125 shares). These warrants will have substantially the same terms as the Preferred Investment Options, except that the warrants issued to Wainwright will have an exercise price equal to \$1.32345, or 125% of the offering price per share.

We have granted Wainwright a twelve-month right of first refusal to act as our exclusive underwriter or placement agent for any further capital raising transactions undertaken by us.

We also have granted Wainwright a tail cash fee equal to 6.0% of the gross proceeds and warrants to purchase shares of common stock equal to 5.0% of the aggregate number of shares of common stock and Pre-Funded Warrants sold in any offering, within twelve months following the termination of the engagement letter, to investors whom Wainwright contacted or introduced to us directly or indirectly in connection with this offering.

We have agreed to indemnify Wainwright and specified other persons against certain liabilities relating to or arising out of Wainwright’s activities under the placement agency agreement and to contribute to payments that Wainwright may be required to make in respect of such liabilities.

Wainwright may be deemed to be an underwriter within the meaning of Section 2(a)(11) of the Securities Act, and any commissions received by it and any profit realized on the resale of the securities sold by it while acting as principal might be deemed to be underwriting discounts or commissions under the Securities Act. As an underwriter, Wainwright would be required to comply with the requirements of the Securities Act and the Exchange Act, including, without limitation, Rule 415(a)(4) under the Securities Act and Rule 10b-5 and Regulation M under the Exchange Act. These rules and regulations may limit the timing of purchases and sales of shares of common stock and warrants by Wainwright acting as principal. Under these rules and regulations, Wainwright:

- may not engage in any stabilization activity in connection with our securities; and
- may not bid for or purchase any of our securities or attempt to induce any person to purchase any of our securities, other than as permitted under the Exchange Act, until it has completed its participation in the distribution.

From time to time, Wainwright may provide in the future various advisory, investment and commercial banking and other services to us in the ordinary course of business, for which they have received and may continue to receive customary fees and commissions. Except as disclosed in this prospectus supplement, we have no present arrangements with the placement agent for any further services.

CONCURRENT PRIVATE PLACEMENT

In a concurrent private placement to the same institutional investor, we are issuing to such investor unregistered preferred investment options to purchase up to 4,722,506 shares of our common stock (the “Preferred Investment Options”). Each Preferred Investment Option will be exercisable for one share of common stock at an exercise price of \$0.93376 per share, will be immediately exercisable and will expire five years from the date of issuance. The Preferred Investment Options and the shares of common stock issuable upon

the exercise of each such security are being offered pursuant to the exemptions provided in Section 4(a)(2) under the Securities Act of 1933, as amended, or the Securities Act, and Rule 506(b) promulgated thereunder, and they are not being offered pursuant to this prospectus supplement and the accompanying prospectus. None of the Preferred Investment Options are or will be listed for trading on any national securities exchange.

Accordingly, the investor in the concurrent private placement may exercise the Preferred Investment Options and sell the shares of common stock issuable upon the exercise of such security only pursuant to an effective registration statement under the Securities Act covering the resale of those shares, an exemption under Rule 144 under the Securities Act or another applicable exemption under the Securities Act.

All purchasers are required to be “accredited investors” as such term is defined in Rule 501(a) under the Securities Act.

A holder of Preferred Investment Options will not have the right to exercise any portion thereof if the holder, together with its affiliates, would beneficially own in excess of 4.99% (or, at the election of a holder prior to the date of issuance, 9.99%) of the number of shares of our common stock outstanding immediately after giving effect to such exercise; provided, however, that upon notice to the Company, the holder may increase or decrease such beneficial ownership limitation, provided that in no event shall such beneficial ownership limitation exceed 9.99% 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. In addition, the holders of the Preferred Investment Options will have the right to participate in any rights offering or distribution of assets together with the holders of our common stock on an as-exercised basis.

The exercise price and number of shares of our common stock issuable upon the exercise of Preferred Investment Options will be subject to adjustment for stock splits, reverse splits, and similar capital transactions, as described in the warrants. Such securities will be exercisable on a “cashless” basis in certain circumstances.

If a fundamental transaction occurs, then the successor entity will succeed to, and be substituted for us, and may exercise every right and power that we may exercise and will assume all of our obligations under the pre-funded warrants and the preferred investment options with the same effect as if such successor entity had been named in such security itself. If holders of shares of our common stock are given a choice as to the securities, cash or property to be received in a fundamental transaction, then the holder shall be given the same choice as to the consideration it receives upon any exercise of a pre-funded warrant or preferred investment option following such fundamental transaction.

As part of the concurrent private placement, we have agreed to register for resale the shares of common stock issuable upon exercise of the Preferred Investment Options.

LEGAL MATTERS

Certain legal matters in connection with the securities offered hereby will be passed upon for us by Weintraub Tobin Chediak Coleman Grodin Law Corporation, Sacramento, California.

EXPERTS

The financial statements of Arcadia Biosciences, Inc. incorporated herein by reference, have been audited by Deloitte & Touche LLP, an independent registered public accounting firm, as stated in their report. Such financial statements are incorporated by reference in reliance upon the report of such firm, given their authority as experts in accounting and auditing.

The consolidated financial statements of Rever Holdings, LLC for the year ended December 31, 2020, and the related notes for such financial statements have been audited by Armanino LLP, independent certified public accountants, as stated in their report, and are incorporated herein by reference to the Company’s Current Report on Form 8-K/A filed with the SEC on August 2, 2021. Such financial statements are incorporated by reference in reliance upon the report of such firm given their authority as experts in accounting and auditing.

The financial statements for the Coconut Water Line of LiveZola, LLC for the year ended December 31, 2020, and the related notes for such financial statements have been audited by CohnReznick LLP, independent auditors, as stated in their report, and are incorporated herein by reference to the Company’s Current Report on Form 8-K/A filed with the SEC on August 2, 2021. Such financial statements are incorporated herein by reference in reliance upon such report given on the authority of such firm as experts in accounting and auditing.

WHERE YOU CAN FIND MORE INFORMATION

We are required to file annual, quarterly and special reports, proxy statements and other information with the SEC. Our filings with the SEC are also available to the public at the SEC's Internet web site at <http://www.sec.gov>.

We have filed a registration statement, of which this prospectus supplement is a part, covering the securities offered hereby. As allowed by SEC rules, this prospectus supplement does not include all of the information contained in the registration statement and the included exhibits, financial statements and schedules. You are referred to the registration statement, the included exhibits, financial statements and schedules for further information. This prospectus supplement is qualified in its entirety by such other information.

We are subject to the information and periodic reporting requirements of the Exchange Act and, in accordance therewith, file periodic reports, proxy statements and other information with the SEC. Such periodic reports, proxy statements and other information are available for inspection and copying at the public reference room and website of the SEC referred to above. We maintain a website at www.arcadiobio.com. The reference to our website address does not constitute incorporation by reference of the information contained on our website, and you should not consider the contents of our website in making an investment decision with respect to our securities.

INCORPORATION OF DOCUMENTS BY REFERENCE

The SEC permits us to "incorporate by reference" the information contained in documents we file with the SEC, which means that we can disclose important information to you by referring you to those documents rather than by including them in this prospectus supplement. Information that is incorporated by reference is considered to be part of this prospectus supplement and you should read it with the same care that you read this prospectus supplement. Information that we file later with the SEC will automatically update and supersede the information that is either contained, or incorporated by reference, in this prospectus supplement and the accompanying base prospectus, and will be considered to be a part of this prospectus supplement and the base prospectus from the date those documents are filed. We have filed with the SEC, and incorporate by reference in this prospectus supplement and the base prospectus:

- our Annual Report on [Form 10-K](#) for the year ended December 31, 2021, filed with the SEC on March 31, 2022;
- our Quarterly Report on Form 10-Q for the quarters ended [March 31, 2022](#) and [June 30, 2022](#), filed with the SEC on May 12, 2022 and August 11, 2022, respectively;
- our Current Reports on Form 8-K (other than information furnished rather than filed) filed with the SEC on [August 2, 2021](#), [February 7, 2022](#), [March 30, 2022](#), [May 12, 2022](#), [June 7, 2022](#) and [August 11, 2022](#);
- our definitive [proxy statement](#) on Schedule 14A, as filed on April 19, 2022; and
- The description of our common stock contained in our [Form 8-A](#) filed on May 8, 2015 and our [Form 8-A/A](#) filed on May 14, 2015.

All documents that we file with the Securities and Exchange Commission under the terms of Sections 13(a), 13(c), 14 or 15(d) of the Exchange Act (1) on or after the date of initial filing of the registration statement of which this prospectus supplement is a part, and (2) on or after the date of this prospectus supplement and before the termination of the offering of our securities shall be deemed incorporated by reference in this prospectus supplement and to be in part of this prospectus supplement from the date of filing of those documents. We are not, however, incorporating, in each case, any documents or information that we are deemed to furnish and not file in accordance with Securities and Exchange Commission rules, including, without limitation, any information filed under items 2.02 or 7.01 of Form 8-K, unless such Form 8-K expressly provides to the contrary.

You may request, and we will provide you with, a copy of these filings, at no cost, by calling us at (530) 750-7191 or by writing to us at the following address:

Arcadia Biosciences, Inc.
202 Cousteau Place, Suite 105
Davis, CA 95618
Attn: Corporate Secretary

Arcadia Biosciences, Inc.
\$50,000,000
Common Stock
Preferred Stock
Warrants
Units

From time to time in one or more offerings, we may offer and sell up to an aggregate amount of \$50,000,000 of any combination of the securities described in this prospectus, either individually or in combination. We may also offer common stock upon conversion of preferred stock, or common stock or preferred stock upon the exercise of warrants.

We may offer securities through underwriting syndicates managed or co-managed by one or more underwriters or dealers, through agents or directly to purchasers. The prospectus supplement for each offering of securities will describe in detail the plan of distribution for that offering. For general information about the distribution of securities offered, please see “Plan of Distribution” in this prospectus.

Each time our securities are offered, we will provide a prospectus supplement containing more specific information about the particular offering and attach it to this prospectus. The prospectus supplements may also add, update or change information contained in this prospectus.

This prospectus may not be used to offer or sell our securities, unless accompanied by a prospectus supplement relating to the offered securities.

Our common stock is currently listed on the Nasdaq Capital Market under the symbol “RKDA.” On April 20, 2022, the last reported sale price of our common stock was \$1.10. The aggregate market value of our outstanding common stock held by non-affiliates is approximately \$55,093,000, which was calculated in accordance with General Instruction I.B.6 of Form S-3, based on 21,027,676 shares of common stock outstanding held by non-affiliates, at the closing share price of \$2.62 on March 24, 2022, which was the highest closing price of our common stock reported on the NASDAQ Capital Market within the last 60 days prior to the date of this filing. We have not offered any securities pursuant to General Instruction I.B.6 of Form S-3 during the twelve calendar months prior to and including the date of this prospectus.

Investing in our securities involves a high degree of risk. You should review carefully the risks and uncertainties described under the heading “Risk Factors” on page 3 of this prospectus and any similar section contained in the applicable prospectus supplement and in any free writing prospectuses we have authorized for use in connection with a specific offering, and under similar headings in the documents that are incorporated by reference into this prospectus.

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 or any accompanying prospectus supplement. Any representation to the contrary is a criminal offense.

The date of this prospectus is May 12, 2022.

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ABOUT THIS PROSPECTUS

This prospectus is part of a shelf registration statement that we filed with the Securities and Exchange Commission, or the SEC, using a “shelf” registration process. Under this shelf registration process, we may sell any combination of the securities described in this prospectus in one or more offerings from time to time having an aggregate initial offering price of \$50,000,000. This prospectus provides you only with a general description of the securities we may offer. Each time we offer securities, we will provide you with a prospectus supplement that will contain more specific information about the securities being offered and the 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 and securities. We may also add, update or change in the prospectus supplement any of the information contained in this prospectus or in the documents that we have incorporated by reference into this prospectus, including, without limitation, a discussion of any risk factors or other special considerations that apply to these offerings or securities or the specific plan of distribution. If there is any inconsistency between the information in this prospectus and a prospectus supplement or any related free writing prospectus or information incorporated by reference having a later date, you should rely on the information in that prospectus supplement or any related free writing prospectus we may authorize to be provided to you or incorporated information having a later date. This prospectus may not be used to consummate a sale of securities, unless it is accompanied by a prospectus supplement.

This prospectus does not contain all the information provided in the registration statement we filed with the SEC. You should read this prospectus, and any accompanying prospectus supplement and any related free writing prospectus, together with additional information incorporated by reference as described under the headings “Where You Can Find More Information” and “Incorporation of Certain Information by Reference,” before you invest in any of the securities being offered hereby.

You should rely only on the information contained in or incorporated by reference into this prospectus and any applicable prospectus supplement, along with the information contained in any free writing prospectuses that we have authorized for use in connection with a specific offering. We have not authorized any other person to provide you with different or inconsistent information. If anyone provides you with different or inconsistent information, you should not rely on it. We take no responsibility for, and can provide no assurances as to the reliability of, any information not contained in this prospectus, any applicable prospectus supplement or any related free writing prospectus that we may authorize to be provided to you. No dealer, salesperson or other person is authorized to give any information or to represent anything not contained in this prospectus, any applicable prospectus supplement or any related free writing prospectus. This prospectus is not an offer to sell securities, and it is not soliciting an offer to buy securities, in any jurisdiction where the offer or sale is not permitted. The information appearing in this prospectus, the applicable prospectus supplement or any related free writing prospectus is accurate only as of the date on the front of the document (unless the information specifically indicates that another date applies), and any information that we have incorporated by reference is accurate only as of the date of the document incorporated by reference, regardless of the time of delivery of this prospectus, any applicable prospectus supplement or any related free writing prospectus, or any sale of a security. Our business, financial condition, results of operations and prospects may have changed since those dates.

This prospectus contains summaries of certain provisions contained in some of the documents described herein, but reference is made to the actual documents for complete information. All of the summaries are qualified in their entirety by the actual documents. Copies of some of the documents referred to herein have been filed, will be filed, or will be incorporated by reference as exhibits to the registration statement of which this prospectus is a part, and you may obtain copies of those documents as described below under “Where You Can Find More Information.” **THIS PROSPECTUS MAY NOT BE USED TO CONSUMMATE A SALE OF SECURITIES, UNLESS IT IS ACCOMPANIED BY A PROSPECTUS SUPPLEMENT.**

Unless otherwise stated or the context requires otherwise, references in this prospectus to “Arcadia Biosciences,” the “company,” or the “Company,” “we,” “us,” or “our” refer to Arcadia Biosciences, Inc. and our subsidiaries, taken together. The Arcadia Biosciences logo and other trademarks or service marks of the Company appearing in this prospectus are the property of Arcadia Biosciences, Inc. All other brand names or trademarks appearing in this prospectus are the property of their respective owners.

ABOUT ARCADIA BIOSCIENCES, INC.

We are a producer and marketer of innovative, plant-based health and wellness products using science-based approaches to develop high value crop improvements primarily in wheat, hemp and soy, designed to enhance farm economics by improving the performance of crops in the field, as well as their value as food ingredients, health and wellness products, and their viability for industrial applications. We have used advanced breeding techniques to develop these proprietary innovations which we are now commercializing through the sales of seed and grain, food ingredients and products, hemp extracts, trait licensing and royalty agreements.

We were founded in 2002, and our principal executive offices are located at 202 Cousteau Place, Suite 105, Davis, CA 95618. Our telephone number is (530) 756-7077. Our website is located at www.arcadiabio.com. Information contained on, or that can be accessed through, our website is not part of this prospectus.

DESCRIPTION OF SECURITIES WE MAY OFFER

We may offer shares of our common stock, shares of our preferred stock, warrants to purchase common stock or preferred stock or units to purchase shares of common stock, preferred stock, warrants or a combination of these securities, with a total value up to \$50,000,000 from time to time under this prospectus at prices and on terms to be determined by market conditions at the time of offering. This prospectus provides you with a general description of the securities we may offer. See “Description of Capital Stock,” “Description of Warrants,” and “Description of Units” below. Each time we offer a type or series of securities, we will provide a prospectus supplement that will describe the specific amounts, prices and other important terms of the securities, including, to the extent applicable

- designation or classification;
- aggregate principal amount or aggregate offering price;
- rates and times of payment of dividends, if any;
- redemption, conversion or sinking fund terms, if any;
- voting or other rights, if any;
- conversion prices, if any; and
- important federal income tax considerations.

The prospectus supplement and any related free writing prospectus also may supplement, or, as applicable, add, update or change information contained in this prospectus or in documents we have incorporated by reference. However, no prospectus supplement or free writing prospectus will offer a security that is not registered and described in this prospectus at the time of the effectiveness of the registration statement of which this prospectus is a part.

The terms of any particular offering, the initial offering price and the net proceeds to us will be contained in the prospectus supplement, information incorporated by reference or free writing prospectus relating to such offering.

CAUTIONARY NOTE REGARDING FORWARD-LOOKING STATEMENTS

Some of the statements in this prospectus and in any prospectus supplement we may file constitute “forward-looking statements” within the meaning of Section 27A of the Securities Act of 1933 and Section 21E of the Securities Exchange Act of 1934. These statements relate to future events concerning our business and to our future revenues, operating results and financial condition. In some cases, you can identify forward-looking statements by terminology such as “may,” “will,” “could,” “would,” “should,” “expect,” “plan,” “anticipate,” “intend,” “believe,” “estimate,” “forecast,” “predict,” “propose,” “potential” or “continue,” or the negative of those terms or other comparable terminology.

Any forward-looking statements contained in this prospectus or any prospectus supplement are only estimates or predictions of future events based on information currently available to our management and management’s current beliefs about the potential outcome of future events. Whether these future events will occur as management anticipates, whether we will achieve our business objectives, and whether our revenues, operating results or financial condition will improve in future periods are subject to numerous risks. There are a number of important factors that could cause actual results to differ materially from the results anticipated by these forward-looking statements. These important factors include those that we discuss under the heading “Risk Factors” and in other sections of our Annual Report on Form 10-K for the year ended December 31, 2021, as filed with the Securities and Exchange Commission (SEC), as well as in our other reports filed from time to time with the SEC that are incorporated by reference into this prospectus. You should read these factors and the other cautionary statements made in this prospectus and in the documents we incorporate by reference into this prospectus as being applicable to all related forward-looking statements wherever they appear in this prospectus or the documents we incorporate by reference into this prospectus. If one or more of these factors materialize, or if any underlying assumptions prove incorrect, our actual results, performance or achievements may vary materially from any future results, performance or achievements expressed or implied by these forward-looking statements. We undertake no obligation to publicly update any forward-looking statements, whether as a result of new information, future events or otherwise, except as required by law.

RISK FACTORS

Any investment in our common stock or other securities involves a high degree of risk. Investors should carefully consider the risks and uncertainties described under the heading “Risk Factors” contained in the applicable prospectus supplement and any related free writing prospectus, and discussed in the documents incorporated or deemed to be incorporated by reference herein, including the risks and uncertainties discussed under “Risk Factors” in our most recent Annual Report on Form 10-K and in subsequent filings that are incorporated herein by reference, together with the other information contained in this prospectus, before deciding whether to purchase the securities offered hereby. Our business, financial condition, results of operations and prospects could be materially and adversely affected by these risks if any of them actually occur. The risks and uncertainties described in these documents are not the only ones we face. Additional risks not currently known to us or other factors not perceived by us to present significant risks to our business at this time also could adversely affect our business, operating results and financial condition, as well as adversely affect the value of an investment in our securities. This prospectus also contains forward-looking statements that involve risks and uncertainties. Our actual results could differ materially from those anticipated in these forward-looking statements as a result of certain factors, including the risks described elsewhere in this prospectus and in the documents incorporated or deemed to be incorporated by reference herein. For more information, see the section entitled “Where You Can Find More Information.”

USE OF PROCEEDS

Except as otherwise provided in the applicable prospectus supplement or in any free writing prospectuses, we intend to use the net proceeds from the sale of the securities offered by this prospectus and from the exercise of any warrants issued pursuant hereto, for general corporate purposes, including capital expenditures related to our growth. We may also use a portion of the net proceeds to acquire or invest in businesses whom, from time to time, we engage and explore the possibility of strategic partnering or investment.

The intended application of proceeds from the sale of any particular offering of securities using this prospectus will be described in the accompanying prospectus supplement relating to such offering. The precise amount and timing of the application of these proceeds will depend upon a number of factors, such as funding requirements, timing and progress of research, development and commercialization efforts, and the availability and costs of other funds. We may temporarily invest the net proceeds in investment-grade, interest-bearing securities until they are used for their stated purpose. We have not determined the amount of net proceeds to be used specifically for such purposes. As a result, management will retain broad discretion over the use of net proceeds from the sale of securities offered hereby.

DESCRIPTION OF CAPITAL STOCK

General

The following description of common stock and preferred stock, together with the additional information we include in any applicable prospectus supplements or related free writing prospectuses, summarizes the material terms and provisions of the common stock and preferred stock that we may offer under this prospectus but is not complete. For the complete terms of our common stock and preferred stock, please refer to our certificate of incorporation, as the same may be amended from time to time, any certificates of designation for our preferred stock, and our bylaws, as amended from time to time. For directions on obtaining these documents, please refer to “Where You Can Find More Information” in this prospectus. The Delaware General Corporation Law, or DGCL, may also affect the terms of these securities. While the terms we have summarized below will apply generally to any future common stock, preferred stock or warrants that we may offer, we will describe the particular terms of any series of these securities in more detail in the applicable prospectus supplement. If we so indicate in a prospectus supplement, the terms of any securities we offer under that prospectus supplement may differ from the terms we describe below.

As of the date of this prospectus, our authorized capital stock consisted of 150,000,000 shares of common stock, \$0.001 par value per share, and 20,000,000 shares of preferred stock, \$0.001 par value per share. Our board of directors may establish the rights and preferences of the preferred stock from time to time. As of April 18, 2022, there were approximately 22,188,918 shares of our common stock outstanding and no shares of preferred stock outstanding.

As of April 18, 2022 we had outstanding options to acquire 1,708,155 shares of our common stock with a weighted average exercise price of \$4.44 per share. In addition, as of April 18, 2022 there were warrants outstanding for the purchase of an aggregate of 11,350,011 shares of common stock with a weighted average exercise price of \$4.36 per share.

Common Stock

We may issue shares of our common stock from time to time. Holders of our common stock are entitled to one vote per share for each share held of record on all matters submitted to a vote of stockholders and do not have cumulative voting rights. Our certificate of incorporation does not provide for cumulative voting. Subject to preferences that may be applicable to any outstanding preferred stock, the holders of our common stock are entitled to receive ratably such dividends, if any, as may be declared by our board of directors, or the Board, out of legally available funds. However, the current policy of the Board is to retain earnings, if any, for the

operation and expansion of the company. Upon liquidation, dissolution or winding-up, the holders of our common stock are entitled to share ratably in all of our assets which are legally available for distribution, after payment of or provision for all liabilities and the liquidation preference of any outstanding preferred stock. The holders of our common stock have no preemptive, subscription, redemption or conversion rights. Our common stock is currently listed on the Nasdaq Capital Market under the symbol "RKDA."

Preferred Stock

Our certificate of incorporation provides that the Board is authorized, without further action by the stockholders (unless such stockholder action is required by applicable law or the rules of any stock exchange or market on which our securities are then traded), to provide for the issuance of shares of preferred stock in one or more series and, by filing a certificate of designation pursuant to the applicable law of the State of Delaware, to establish from time to time for each such series the number of shares to be included in each such series and to fix the designations, powers, rights and preferences of the shares of each such series, and the qualifications, limitations and restrictions thereof, which may include, among others, dividend rights, voting rights, liquidation preferences, conversion rights, preemptive rights, and the number of shares constituting any series or the designation of any series, any or all of which may be greater than the rights of the common stock. Any convertible preferred stock we may issue will be convertible into our common stock or our other securities. Conversion may be mandatory or at the holder's option and would be at prescribed conversion rates. We will describe in the applicable prospectus supplement the terms of the series of preferred stock being offered, including, to the extent applicable:

- the designation of the series, which may be by distinguishing number, letter or title;
- the number of shares of the series, which number the Board may thereafter (except where otherwise provided in the certificate of designation) increase or decrease (but not below the number of shares thereof then outstanding);
- the purchase price;
- whether dividends, if any, shall be paid, and, if paid, the date or dates upon which, or other times at which, such dividends shall be payable, whether such dividends shall be cumulative or noncumulative, the rate of such dividends (which may be variable) and the relative preference in payment of dividends of such series;
- whether shares of such series shall be redeemable, the time or times when, and the price or prices at which, shares of such series shall be redeemable, the redemption price and the terms and conditions of redemption;
- the terms and amounts of any sinking fund or similar fund provided for the purchase or redemption of shares of the series;
- the amounts payable on shares of such series and the rights of holders of such shares in the event of any voluntary or involuntary liquidation, dissolution or winding up of the affairs of our corporation;
- whether the shares of the series shall be convertible into shares of any other class or series, or convertible into or exchangeable for any other security, of our corporation or any other corporation, and, if so, the specification of such other class or series of such other security, the conversion or exchange price or prices, or rate or rates, any adjustments thereto, the date or dates on which such shares shall be convertible or exchangeable and other terms and conditions upon which such conversion may be made;
- the preemptive or preferential rights, if any, of the holders of shares of such series to subscribe for, purchase, receive, or otherwise acquire any part of any new or additional issue of stock of any class, whether now or hereafter authorized, or of any bonds, debentures, notes, or any of other securities, whether or not convertible into shares of common stock;
- if applicable, material U.S. federal income tax considerations applicable to the preferred stock;
- restrictions on the issuance of shares of the same series or of any other class or series; and
- the voting rights, if any, and whether full or limited, of the holders of shares of the series, which may include no voting rights, one vote per share, or such higher or lower number of votes per share as may be designated by the Board.

Preferred stock may be issued in the future in connection with acquisitions, financings, or other matters as the Board deems appropriate. In the event that any shares of preferred stock are to be issued, a certificate of designation containing the rights, privileges and limitations of such series of preferred stock may be filed with the Secretary of State of Delaware. The effect of such preferred stock is that, subject to federal securities laws and Delaware law, the Board alone may be able to authorize the issuance of preferred stock, which could have the effect of delaying, deferring or preventing a change in control of us without further action by the stockholders, and may adversely affect the other rights of the holders of our common stock. The issuance of preferred stock with voting and conversion rights may also adversely affect the voting power of holders of our common stock, including the loss of voting control to others. We do not have any shares of our preferred stock presently outstanding.

The issuance of preferred stock, while providing desirable flexibility in connection with possible acquisitions and other corporate purposes, could have the effect of making it more difficult for a third party to acquire, or of discouraging a third party from acquiring, a majority of our outstanding voting stock. The effects of issuing preferred stock could include one or more of the following:

- decreasing the amount of earnings and assets available for distribution to holders of common stock;
- diluting the voting power of the common stock;
- impairing the liquidation rights of the common stock; or
- delaying, deferring or preventing changes in our control or management.

Anti-Takeover Effects of Certain Provisions of our Certificate of Incorporation, Bylaws and the DGCL

Our certificate of incorporation and our bylaws contain certain provisions that could have the effect of delaying, deterring or preventing another party from acquiring control of us. These provisions and certain provisions of Delaware law, which are summarized below, are expected to discourage coercive takeover practices and inadequate takeover bids. These provisions are also designed, in part, to encourage persons seeking to acquire control of us to negotiate first with our board of directors. We believe that the benefits of increased protection of our potential ability to negotiate more favorable terms with an unfriendly or unsolicited acquirer outweigh the disadvantages of discouraging a proposal to acquire us.

Undesignated Preferred Stock

As discussed above, our board of directors will have the ability to issue preferred stock with voting or other rights or preferences that could impede the success of any attempt to change control of us. These and other provisions may have the effect of deterring hostile takeovers or delaying changes in control or management of our company.

Limits on Ability of Stockholders to Act by Written Consent or Call a Special Meeting

Our certificate of incorporation provides that our stockholders may not act by written consent, which may lengthen the amount of time required to take stockholder actions. As a result, a holder controlling a majority of our capital stock would not be able to amend our bylaws or remove directors without holding a meeting of our stockholders called in accordance with our bylaws.

In addition, our bylaws provide that special meetings of the stockholders may be called only by the majority of our board of directors. Stockholders may not call a special meeting, which may delay the ability of our stockholders to force consideration of a proposal or for holders controlling a majority of our capital stock to take any action, including the removal of directors.

Requirements for Advance Notification of Stockholder Nominations and Proposals

Our bylaws require advance notice procedures with respect to stockholder proposals and the nomination of candidates for election as directors, other than nominations made by or at the direction of our board of directors or a committee of our board of directors. These provisions may have the effect of precluding the conduct of certain business at a meeting if the proper procedures are not followed. These provisions may also discourage or deter a potential acquirer from conducting a solicitation of proxies to elect the acquirer's own slate of directors or otherwise attempting to obtain control of our company.

Board Classification

Our board of directors is divided into three classes, one class of which is elected each year by our stockholders. The directors in each class will serve three-year terms. A third party may be discouraged from making a tender offer or otherwise attempting to obtain control of us as it is more difficult and time consuming for stockholders to replace a majority of the directors on a classified board.

No Cumulative Voting

Our certificate of incorporation and bylaws does not permit cumulative voting in the election of directors. Cumulative voting allows a stockholder to vote a portion or all of its shares for one or more candidates for seats on the board of directors. Without cumulative voting, a minority stockholder may not be able to gain as many seats on our board of directors as the stockholder would be able to gain if cumulative voting were permitted. The absence of cumulative voting makes it more difficult for a minority stockholder to gain a seat on our board of directors to influence our board's decision regarding a takeover.

Amendment of Charter and Bylaws Provisions

The amendment of the above provisions of our certificate of incorporation requires approval by holders of at least two-thirds of our outstanding capital stock entitled to vote generally in the election of directors. The amendment of our bylaws requires approval by the holders of at least two-thirds of our outstanding capital stock entitled to vote generally in the election of directors.

Delaware Anti-Takeover Statute

We are subject to the provisions of Section 203 of the DGCL regulating corporate takeovers. In general, Section 203 prohibits a publicly-held Delaware corporation from engaging, under certain circumstances, in a business combination with an interested stockholder for a period of three years following the date the person became an interested stockholder unless:

- prior to the date of the transaction, our board of directors approved either the business combination or the transaction which resulted in the stockholder becoming an interested stockholder;
- upon completion of the transaction that 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, calculated as provided under Section 203; or
- at or subsequent to the date of the transaction, the business combination is approved by our board of directors and authorized at an annual or special meeting of stockholders, and not by written consent, by the affirmative vote of at least two-thirds of the outstanding voting stock which is not owned by the interested stockholder.

Generally, a business combination includes a merger, asset or stock sale, or other transaction resulting in a financial benefit to the interested stockholder. 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 outstanding voting stock. We expect the existence of this provision to have an anti-takeover effect with respect to transactions our board of directors does not approve in advance. We anticipate that Section 203 may also discourage attempts that might result in a premium over the market price for the shares of common stock held by stockholders.

The provisions of Delaware law and the provisions of our certificate of incorporation and bylaws, as amended upon the completion of this offering, could have the effect of discouraging others from attempting hostile takeovers 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 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.

Forum Selection

Our amended and restated certificate of incorporation provides that unless we consent in writing to the selection of an alternative forum, the Court of Chancery of the State of Delaware is the sole and exclusive forum for:

- any derivative action or proceeding brought on our behalf;
- any action asserting a breach of fiduciary duty owed by any of our directors, officers or other employees to us or our stockholders;
- any action asserting a claim against us arising pursuant to any provisions of the DGCL, our amended and restated certificate of incorporation or our amended and restated bylaws; or
- any action asserting a claim against us that is governed by the internal affairs doctrine.

These exclusive-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 our directors, officers or other employees, which may discourage lawsuits against us and our directors, officers and other employees. Furthermore, the enforceability of similar choice of forum provisions in other companies' charter documents has been challenged in legal proceedings, and it is possible that a court could find these types of provisions to be inapplicable or unenforceable. If a court were to find either 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 harm our business.

These exclusive-forum provisions are not intended to apply to any causes of action arising under the Securities Act or the Exchange Act or any other claim for which the federal courts have exclusive jurisdiction.

Transfer Agent and Registrar

The Transfer Agent and Registrar for our common stock is American Stock Transfer & Trust Company, LLC. The transfer agent for any series of preferred stock that we may offer under this prospectus will be named and described in the prospectus supplement related to that series.

DESCRIPTION OF WARRANTS

The following description, together with the additional information we may include in any applicable prospectus supplements, summarizes the material terms and provisions of the warrants that we may offer under this prospectus and the related warrant agreements and warrant certificates. While the terms summarized below will apply generally to any warrants that we may offer, we will describe the particular terms of any series of warrants in more detail in the applicable prospectus supplement, information incorporated by reference or a free writing prospectus. If we so indicate in the prospectus supplement, information incorporated by reference or free writing prospectus, the terms of any warrants offered under that prospectus supplement, information incorporated by reference and free writing prospectus may differ from the terms described below. If there are differences between that prospectus supplement, information incorporated by reference or free writing prospectus and this prospectus, such prospectus supplement, information incorporated by reference or free writing prospectus will control. Thus, the statements we make in this section may not apply to a particular series of warrants. Specific warrant agreements will contain additional important terms and provisions and will be incorporated by reference as an exhibit to the registration statement which includes this prospectus. The following description, and any description of the warrants included in a prospectus supplement, may not be complete and is subject to and qualified in its entirety by reference to the terms and provisions of the applicable warrant agreement, which we will file with the SEC in connection with any offering of warrants.

We may issue warrants for the purchase of common stock, preferred stock, or units, in one or more series. We may issue warrants independently or together with common stock, preferred stock and/or units, and the warrants may be attached to or separate from these securities.

We will evidence each series of warrants by warrant certificates that we may issue under a separate agreement. We may enter into the warrant agreement with a warrant agent which may be a bank or other institution that we select. We may also choose to act as our own warrant agent. We will indicate the name and address of any such warrant agent in the applicable prospectus supplement relating to a particular series of warrants.

We will describe in the applicable prospectus supplement, information incorporated by reference or free writing prospectus the terms of the series of warrants, including:

- the title of the warrants;
- the offering price and aggregate number of warrants offered;
- the currency for which the warrants may be purchased;
- if applicable, the designation and terms of the securities with which the warrants are issued and the number of warrants issued with each such security or each principal amount of such security;
- if applicable, the date on and after which the warrants and the related securities will be separately transferable;
- if applicable, the minimum or maximum amount of such warrants which may be exercised at any one time;
- in the case of warrants to purchase common stock or preferred stock, the number of shares of common stock or preferred stock, as the case may be, purchasable upon the exercise of one warrant and the price at which these shares may be purchased upon such exercise;
- the warrant agreement under which the warrants will be issued;
- the effect of any merger, consolidation, sale or other disposition of our business on the warrant agreement and the warrants;
- anti-dilution provisions of the warrants, if any;
- the terms of any rights to redeem or call the warrants;
- any provisions for changes to or adjustments in the exercise price or number of securities issuable upon exercise of the warrants;
- the dates on which the right to exercise the warrants will commence and expire or, if the warrants are not continuously exercisable during that period, the specific date or dates on which the warrants will be exercisable;

- the manner in which the warrant agreement and warrants may be modified;
- the identities of the warrant agent and any calculation or other agent for the warrants;
- a discussion of any material or special U.S. federal income tax consequences of holding or exercising the warrants;
- the terms of the securities issuable upon exercise of the warrants;
- information with respect to book-entry procedures, if any;
- any securities exchange or quotation system on which the warrants or any securities deliverable upon exercise of the warrants may be listed; and
- any other specific terms, preferences, rights or limitations of or restrictions on the warrants.

Unless otherwise described in an applicable prospectus supplement, information incorporated by reference or free writing prospectus, before exercising their warrants, holders of warrants will not have any of the rights of holders of the securities purchasable upon such exercise, including, in the case of warrants to purchase common stock or preferred stock, the right to receive dividends, if any, or, payments upon our liquidation, dissolution or winding up, or to exercise voting rights, if any.

Exercise of Warrants

Each warrant will entitle the holder to purchase the securities that we specify in the applicable prospectus supplement, information incorporated by reference or free writing prospectus, at the exercise price that we describe therein. Unless we otherwise specify in the applicable prospectus supplement, information incorporated by reference or free writing prospectus, holders of the warrants may exercise the warrants at any time up to the close of business on the expiration date that we set forth in the applicable prospectus supplement, information incorporated by reference or free writing prospectus. After the close of business on the expiration date, unexercised warrants will become void.

A warrant will entitle the holder to purchase for cash an amount of securities at an exercise price that will be stated in, or that will be determinable as described in, the applicable prospectus supplement, information incorporated by reference or free writing prospectus. Warrants may be exercised, redeemed, as set forth in the applicable offering material.

Upon receipt of the required payment and the warrant certificate properly completed and duly executed at the corporate trust office of the warrant agent or any other office indicated in the applicable prospectus supplement, information incorporated by reference or free writing prospectus, we will issue and deliver the securities purchasable upon such exercise. If fewer than all of the warrants represented by the warrant certificate are exercised, then we will issue a new warrant certificate for the remaining amount of warrants. If we so indicate in the applicable prospectus supplement, information incorporated by reference or free writing prospectus, holders of the warrants may surrender securities as all or part of the exercise price for warrants.

Warrant Agreement

We may issue the warrants in one or more series under one or more warrant agreements, each to be entered into between us and a warrant agent, which may include a bank, trust company or other financial institution as warrant agent. We may add, replace or terminate warrant agents from time to time. We may also choose to act as our own warrant agent or may choose one of our subsidiaries to do so.

The warrant agent under a warrant agreement will act solely as our agent in connection with the warrants issued under that agreement, and will not assume any obligation or relationship of agency or trust with any holder of any warrant. Unless otherwise provided in the applicable warrant or warrant agreement, any holder of warrants may, without the consent of the related warrant agent or the holder of any other warrant, enforce by appropriate legal action, on its own behalf, its right to exercise those warrants in accordance with their terms.

Form, Exchange and Transfer

We may issue the warrants in registered form or bearer form. Warrants issued in registered form, *i.e.*, book-entry form, will be represented by a global security registered in the name of a depository, which will be the holder of all the warrants represented by the global security. Those investors who own beneficial interests in a global warrant will do so through participants in the depository's system, and the rights of these indirect owners will be governed solely by the applicable procedures of the depository and its participants. In addition, we may issue warrants in non-global form, *i.e.*, bearer form. If any warrants are issued in non-global form, warrant certificates may be exchanged for new warrant certificates of different denominations, and holders may exchange, transfer or

exercise their warrants at the warrant agent's office or any other office indicated in the applicable prospectus supplement, information incorporated by reference or free writing prospectus.

No warrant agreement will be qualified as an indenture, and no warrant agent will be required to qualify as a trustee, under the Trust Indenture Act of 1939. Therefore, holders of warrants issued under a warrant agreement will not have the protection of the Trust Indenture Act with respect to their warrants.

DESCRIPTION OF UNITS

We may issue units comprised of one or more of the other securities described in this prospectus in any combination. Each unit will be issued so that the holder of the unit is also the holder of each security included in the unit. Thus, the holder of a unit will have the rights and obligations of a holder of each included security. The unit agreement under which a unit is issued may provide that the securities included in the unit may not be held or transferred separately, at any time or at any time before a specified date.

The following description is a summary of selected provisions relating to units that we may offer. The summary is not complete. When units are offered in the future, a prospectus supplement, information incorporated by reference or a free writing prospectus, as applicable, will explain the particular terms of those securities and the extent to which these general provisions may apply. The specific terms of the units as described in a prospectus supplement, information incorporated by reference, or free writing prospectus will supplement and, if applicable, may modify or replace the general terms described in this section.

This summary and any description of units in the applicable prospectus supplement, information incorporated by reference or free writing prospectus is subject to and is qualified in its entirety by reference to the unit agreement, collateral arrangements and depository arrangements, if applicable. We will file each of these documents, as applicable, with the SEC and incorporate them by reference as an exhibit to the registration statement of which this prospectus is a part on or before the time we issue a series of units. See "Where You Can Find More Information" and "Incorporation of Documents by Reference" above for information on how to obtain a copy of a document when it is filed.

The applicable prospectus supplement, information incorporated by reference or free writing prospectus will describe:

- the designation and terms of the units and of the securities comprising the units, including whether and under what circumstances those securities may be held or transferred separately;
- any unit agreement under which the units will be issued;
- any provisions for the issuance, payment, settlement, transfer or exchange of the units or of the securities comprising the units; and
- whether the units will be issued in fully registered or global form.

The applicable provisions described in this section, as well as those described under "Description of Capital Stock" and "Description of Warrants" above, will apply to each unit and to each security included in each unit, respectively.

PLAN OF DISTRIBUTION

We may sell the securities being offered pursuant to this prospectus to or through underwriters or dealers, through agents, or directly to one or more purchasers (including our affiliates and shareholders), through a specific bidding or auction process, a rights offering or otherwise, through a combination of these methods or through any other methods described in a prospectus supplement. The applicable prospectus supplement will describe the terms of the offering of the securities, including, to the extent applicable:

- the name or names of any underwriters, if any, and if required, any dealers or agents;
- the purchase price of the securities or other consideration therefor, and the proceeds we will receive from the sale;
- any over-allotment option under which the underwriter may purchase additional securities from us;
- any underwriting discounts, concessions, commissions and other items constituting underwriters' compensation;
- any public offering price;
- any discounts or concessions allowed or reallocated or paid to dealers;
- the nature of the underwriter's or agent's obligations, if any, to take the securities; and
- any securities exchange or market on which the securities may be listed.

The distribution of securities may be effected, from time to time, in one or more transactions, including:

- block transactions (which may involve crosses) and transactions on the Nasdaq Capital Market or any other organized market where the securities may be traded;
- purchases by a broker-dealer as principal and resale by the broker-dealer for its own account pursuant to a prospectus supplement;
- ordinary brokerage transactions and transactions in which a broker-dealer solicits purchasers;
- sales “at the market” to or through a market maker or into an existing trading market, on an exchange or otherwise; and
- sales in other ways not involving market makers or established trading markets, including direct sales to purchasers.

The securities may be sold at a fixed price or prices, which may be changed, or at market prices prevailing at the time of sale, at prices relating to the prevailing market prices, or at negotiated prices. The consideration may be cash or another form negotiated by the parties.

We may also make direct sales through subscription rights distributed to our existing shareholders on a pro rata basis, which may or may not be transferable. In any distribution of subscription rights to our shareholders, if all of the underlying securities are not subscribed for, we may then sell the unsubscribed securities directly to third parties or may engage the services of one or more underwriters, dealers or agents, including standby underwriters, to sell the unsubscribed securities to third parties.

Some or all of the securities that we offer through this prospectus may be new issues of securities with no established trading market. Any underwriters to whom we sell our securities for public offering and sale may make a market in those securities, but they will not be obligated to do so and they may discontinue any market making at any time without notice. Accordingly, we cannot assure you of the liquidity of, or continued trading markets for, any securities that we offer.

Only underwriters named in the prospectus supplement are underwriters of the securities offered by the prospectus supplement.

If underwriters are used in an offering, we will execute an underwriting agreement with such underwriters and will specify the name of each underwriter and the terms of the transaction (including any underwriting discounts and other terms constituting compensation of the underwriters and any dealers) in a prospectus supplement. The securities may be offered to the public either through underwriting syndicates represented by managing underwriters or directly by one or more investment banking firms or others, as designated. If an underwriting syndicate is used, the managing underwriter(s) will be specified on the cover of the prospectus supplement. If underwriters are used in the sale, the offered securities will be acquired by the underwriters for their own accounts and may be resold from time to time in one or more transactions, including negotiated transactions, at a fixed public offering price or at varying prices determined at the time of sale, or under delayed delivery contracts or other contractual commitments. Any public offering price and any discounts or concessions allowed or reallowed or paid to dealers may be changed from time to time. We may use underwriters with whom we have a material relationship. We will describe in the prospectus supplement, naming the underwriter, the nature of any such relationship. Unless otherwise set forth in the prospectus supplement, the obligations of the underwriters to purchase the offered securities will be subject to conditions precedent and the underwriters will be obligated to purchase all of the offered securities if any are purchased.

We may grant to the underwriters options to purchase additional securities to cover over-allotments, if any, at the public offering price, with additional underwriting commissions or discounts, as may be set forth in a related prospectus supplement. The terms of any over-allotment option will be set forth in the prospectus supplement for those securities.

If we use a dealer in the sale of the securities being offered pursuant to this prospectus or any prospectus supplement, we or an underwriter will sell the securities to the dealer, as principal. The dealer may then resell the securities to the public at varying prices to be determined by the dealer at the time of resale. To the extent required, we will set forth in the prospectus supplement, document incorporated by reference or free writing prospectus, as applicable, the name of the dealer and the terms of the transactions.

We may directly solicit offers to purchase the securities and may make sales of securities directly to institutional investors or others. These persons may be deemed to be underwriters with respect to any resale of the securities. To the extent required, the prospectus supplement, document incorporated by reference or free writing prospectus, as applicable, will describe the terms of any such sales, including the terms of any bidding or auction process, if used.

We may sell the securities directly or through agents we designate from time to time. We will name any agent involved in the offering and sale of securities and we will describe any commissions we will pay the agent in the prospectus supplement. Unless the prospectus supplement states otherwise, any agent will act on a best-efforts basis for the period of its appointment.

We may authorize agents or underwriters to solicit offers by institutional investors to purchase securities from us at the public offering price set forth in the prospectus supplement pursuant to delayed delivery contracts providing for payment and delivery on a specified date in the future. We will describe the conditions to these contracts and the commissions we must pay for solicitation of these contracts in the prospectus supplement.

In connection with the sale of the securities, underwriters, dealers or agents may receive compensation from us or from purchasers of the securities for whom they act as agents in the form of discounts, concessions, commissions or other payments. Underwriters may sell the securities to or through dealers, and those dealers may receive compensation in the form of discounts, concessions or commissions from the underwriters or commissions from the purchasers for whom they may act as agents. Underwriters, dealers and agents that participate in the distribution of the securities, and any institutional investors or others that purchase securities directly and then resell the securities, may be deemed to be underwriters, and any discounts or commissions received by them from us and any profit on the resale of the securities by them may be deemed to be underwriting discounts and commissions under the Securities Act. If such persons were deemed to be underwriters, they may be subject to statutory liabilities under the Securities Act.

We may provide agents and underwriters with indemnification against particular civil liabilities, including liabilities under the Securities Act, or contribution with respect to payments that the agents or underwriters may make with respect to such liabilities. Agents and underwriters may engage in transactions with, or perform services for, us in the ordinary course of business. In addition, the agents' and underwriters' commissions, discounts or concessions may qualify as underwriters' compensation under the Securities Act and the rules of the Financial Industry Regulatory Authority, Inc., or FINRA.

In addition, we may enter into derivative transactions with third parties (including the writing of options), or sell securities not covered by this prospectus to third parties in privately negotiated transactions. If the applicable prospectus supplement indicates, in connection with such a transaction, the third parties may, pursuant to this prospectus and the applicable prospectus supplement, sell securities covered by this prospectus and the applicable prospectus supplement. If so, the third party may use securities borrowed from us or others to settle such sales and may use securities received from us to close out any related short positions. We may also loan or pledge securities covered by this prospectus and the applicable prospectus supplement to third parties, who may sell the loaned securities or, in an event of default in the case of a pledge, sell the pledged securities pursuant to this prospectus and the applicable prospectus supplement. The third party in such sale transactions will be an underwriter and will be identified in the applicable prospectus supplement or in a post-effective amendment.

To facilitate an offering of a series of securities, persons participating in the offering may engage in transactions that stabilize, maintain, or otherwise affect the market price of the securities. This may include over-allotments or short sales of the securities, which involves the sale by persons participating in the offering of more securities than have been sold to them by us. In those circumstances, such persons would cover such over-allotments or short positions by purchasing in the open market or by exercising the over-allotment option granted to those persons. In addition, those persons may stabilize or maintain the price of the securities by bidding for or purchasing securities in the open market or by imposing penalty bids, whereby selling concessions allowed to underwriters or dealers participating in any such offering may be reclaimed if securities sold by them are repurchased in connection with stabilization transactions. The effect of these transactions may be to stabilize or maintain the market price of the securities at a level above that which might otherwise prevail in the open market. Such transactions, if commenced, may be discontinued at any time. We make no representation or prediction as to the direction or magnitude of any effect that the transactions described above, if implemented, may have on the price of our securities.

Any common stock sold pursuant to a prospectus supplement will be eligible for quotation and trading on the Nasdaq Capital Market. Any underwriters to whom securities are sold by us for public offering and sale may make a market in the securities, but such underwriters will not be obligated to do so and may discontinue any market making at any time without notice. Any person participating in the distribution of common stock registered under the registration statement that includes this prospectus will be subject to applicable provisions of the Securities Exchange Act of 1934, as amended, or the Exchange Act, and the applicable SEC rules and regulations, including, among others, Regulation M, which may limit the timing of purchases and sales of any of our common stock by any such person. Furthermore, Regulation M may restrict the ability of any person engaged in the distribution of our common stock to engage in market-making activities with respect to our common stock. These restrictions may affect the marketability of our common stock and the ability of any person or entity to engage in market-making activities with respect to our common stock. Any underwriters or agents that are qualified market makers on the Nasdaq Capital Market may engage in passive market making transactions in the common stock on the Nasdaq Capital Market in accordance with Regulation M under the Exchange Act, during the business day prior to the pricing of the offering, before the commencement of offers or sales of the common stock. Passive market makers must comply with applicable volume and price limitations and must be identified as passive market makers. In general, a passive market maker must display its bid at a price not in excess of the highest independent bid for such security; if all independent bids are lowered below the passive market maker's bid, however, the passive market maker's bid must then be lowered when certain purchase limits are exceeded. Passive market making may stabilize the market price of the securities at a level above that which might otherwise prevail in the open market and, if commenced, may be discontinued at any time.

In order to comply with the securities laws of some states, if applicable, the securities offered pursuant to this prospectus will be sold in those states only through registered or licensed brokers or dealers. In addition, in some states securities may not be sold, unless they have been registered or qualified for sale in the applicable state or an exemption from the registration or qualification requirement is available and complied with.

In compliance with the guidelines of the Financial Industry Regulatory Authority (“FINRA”), the aggregate maximum discount, commission or agency fees or other items constituting underwriting compensation to be received by any FINRA member or independent broker-dealer will not exceed 8% of any offering pursuant to this prospectus and any applicable prospectus supplement, as the case may be.

If more than 10% of the net proceeds of any offering of securities made under this prospectus will be received by FINRA members participating in the offering or affiliates or associated persons of such FINRA members, the offering will be conducted in accordance with FINRA Conduct Rule 5110(h).

If the aggregate market value of our voting and non-voting common equity held by non-affiliates is less than \$75,000,000, and if required by the rules of the SEC, the amount of securities we may offer hereunder will be limited such that the aggregate market value of securities sold by us during a period of 12 calendar months cannot exceed one-third of the aggregate market value of the voting and non-voting common equity held by non-affiliates.

To the extent required, this prospectus may be amended or supplemented from time to time to describe a specific plan of distribution.

LEGAL MATTERS

The validity of the issuance of the securities offered hereby will be passed upon for us by Weintraub Tobin Chediak Coleman Grodin Law Corporation.

EXPERTS

The financial statements of Arcadia Biosciences, Inc. incorporated by reference in this Prospectus, have been audited by Deloitte & Touche LLP, an independent registered public accounting firm, as stated in their report. Such financial statements are incorporated by reference in reliance upon the report of such firm, given their authority as experts in accounting and auditing.

The consolidated financial statements of Rever Holdings, LLC for the year ended December 31, 2020, and the related notes for such financial statements have been audited by Armanino LLP, independent certified public accountants, as stated in their report, and are incorporated in this Prospectus by reference to the Company’s Current Report on Form 8-K/A filed with the SEC on August 2, 2021. Such financial statements are incorporated by reference in reliance upon the report of such firm given their authority as experts in accounting and auditing.

The financial statements for the Coconut Water Line of LiveZola, LLC for the year ended December 31, 2020, and the related notes for such financial statements have been audited by CohnReznick LLP, independent auditors, as stated in their report, and are incorporated in this Prospectus by reference to the Company’s Current Report on Form 8-K/A filed with the SEC on August 2, 2021. Such financial statements are incorporated herein by reference in reliance upon such report given on the authority of such firm as experts in accounting and auditing.

WHERE YOU CAN FIND MORE INFORMATION

We are required to file annual, quarterly and special reports, proxy statements and other information with the SEC. Our filings with the SEC are also available to the public at the SEC’s Internet web site at <http://www.sec.gov>.

We have filed a registration statement, of which this prospectus is a part, covering the securities offered hereby. As allowed by SEC rules, this prospectus does not include all of the information contained in the registration statement and the included exhibits, financial statements and schedules. You are referred to the registration statement, the included exhibits, financial statements and schedules for further information. This prospectus is qualified in its entirety by such other information.

We are subject to the information and periodic reporting requirements of the Securities Exchange Act of 1934, as amended, or the Exchange Act, and, in accordance therewith, file periodic reports, proxy statements and other information with the SEC. Such periodic reports, proxy statements and other information are available to the public over the Internet at the website of the SEC referred to above. We maintain a website at <http://www.arcadiabio.com>. The reference to our website address does not constitute incorporation

by reference of the information contained on our website, and you should not consider the contents of our website in making an investment decision with respect to our common stock.

INCORPORATION OF DOCUMENTS BY REFERENCE

The SEC allows us to “incorporate by reference” information that we file with it, which means that we can disclose important information to you by referring you to those documents. The information incorporated by reference is an important part of this prospectus. Information in this prospectus supersedes information incorporated by reference that we filed with the SEC prior to the date of this prospectus, while information that we file later with the SEC will automatically update and supersede the information in this prospectus. We also incorporate by reference into this prospectus the documents listed below and any future filings made by us with the SEC (other than Current Reports or portions thereof furnished under Item 2.02 or Item 7.01 of Form 8-K and exhibits filed on such form that are related to such items and other portions of documents that are furnished, but not filed, pursuant to applicable rules promulgated by the SEC) that are filed by us with the SEC pursuant to Sections 13(a), 13(c), 14 or 15(d) of the Exchange Act (i) after the date of the initial filing of the registration statement of which this prospectus is a part and prior to effectiveness of the registration statement, and (ii) after the effectiveness of the registration statement but prior to the termination of the offering of the common stock covered by this prospectus:

- Our annual report on [Form 10-K](#) for the year ended December 31, 2021, filed on March 31, 2022;
- Our current reports on Form 8-K filed with the SEC on [August 2, 2021](#), [February 7, 2022](#) and [March 30, 2022](#);
- Our definitive [Proxy Statement](#) on Schedule 14a for our 2022 Annual Meeting of Stockholders, filed with the SEC on April 19, 2022 (to the extent incorporated by reference into Part III of our Annual Report on Form 10-K for the fiscal year ended December 31, 2021); and
- The description of our common stock contained in our [Form 8-A/A](#) filed on May 14, 2015, including any amendment or report filed for the purpose of updating such description.

We will provide to each person, including any beneficial owner, to whom a prospectus is delivered, without charge upon written or oral request, a copy of any or all of the documents that are incorporated by reference into this prospectus but not delivered with the prospectus, including exhibits which are specifically incorporated by reference into such documents. You should direct any requests for documents by writing us at Arcadia Biosciences, Inc., 202 Cousteau Place, Suite 105, Davis, CA 95618, Attention: Corporate Secretary, Telephone (530) 756-7077.

You should rely only on the information provided in and incorporated by reference into this prospectus or any prospectus supplement. We have not authorized anyone else to provide you with different information. You should not assume that the information in this prospectus or any prospectus supplement is accurate as of any date other than the date on the front cover of these documents.

Any statement contained herein or in a document incorporated or deemed to be incorporated by reference into this document will be deemed to be modified or superseded for purposes of the document to the extent that a statement contained in this document or any other subsequently filed document that is deemed to be incorporated by reference into this document modifies or supersedes the statement.

2,450,000 Shares of Common Stock
Pre-Funded Warrants to Purchase up to 2,272,506 Shares of Common Stock
Up to 2,272,506 Shares of Common Stock underlying the Pre-Funded Warrants

ARCADIA BIOSCIENCES, INC.

PROSPECTUS SUPPLEMENT

H.C. Wainwright & Co.

August 12, 2022