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Registration No. 333-229536

PROSPECTUS



925,455 Shares of Common Stock

Pre-Funded Warrants to Purchase 8,165,455 Shares of Common Stock

Common Warrants to Purchase 9,090,910 Shares of Common Stock

We are offering 925,455 shares of our common stock and accompanying common warrants to purchase an equal number of shares of common stock. We are also offering to certain purchasers, pre-funded warrants to purchase 8,165,455 shares of common stock in lieu of shares of common stock. Each pre-funded warrant is exercisable for one share of our common stock and is accompanied by a common warrant to purchase one share of common stock. The purchase price of each pre-funded warrant is equal to the price at which a share of common stock is sold to the public in this offering, minus \$0.10, and the exercise price of each pre-funded warrant will be \$0.10 per share. The pre-funded warrants are immediately exercisable and may be exercised at any time until all of the pre-funded warrants are exercised in full. This offering also relates to the shares of common stock issuable upon exercise of the common warrants and pre-funded warrants sold in this offering. The common warrants are exercisable immediately and will expire five years from the date of issuance. The shares of common stock and pre-funded warrants, and the accompanying common warrants, can only be purchased together in this offering but will be issued separately and will be immediately separable upon issuance. Our common stock is listed on the Nasdaq Capital Market under the symbol "VXRT." On April 8, 2019, the last reported sale price of our common stock was \$1.49 per share. There is no established public trading market for the pre-funded warrants and the common warrants, and we do not expect a market to develop. In addition, we do not intend to apply for a listing of the pre-funded warrants and the common warrants on any national securities exchange or other nationally recognized trading system.

Investing in our securities involves a high degree of risk. You should carefully read and consider the "Risk Factors" beginning on page 11 of this prospectus before investing.

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

	Per Share	Per Pre-Funded Warrant	Per Common Warrant	Total
Public offering price	\$ 1.000	\$ 0.900	\$ 0.100	\$9,183,456
Underwriting discounts and commissions(1)	\$ 0.070	\$ 0.070	\$ 0.007	\$ 700,000
Proceeds, before expenses, to us	\$ 0.930	\$ 0.830	\$ 0.093	\$8,483,456

(1) In addition, we have agreed to issue to H.C. Wainwright & Co., LLC or its designees warrants to purchase a number of shares of common stock equal to 7.0% of the shares of common stock and pre-funded warrants sold in this offering. See "Underwriting" for additional information and a description of the compensation payable to the underwriters.

We have granted the underwriters the right to purchase up to 1,363,636 additional shares of our common stock and/or common warrants to purchase up to an aggregate of an additional 1,363,636 shares of common stock, in each case at the public offering price, less underwriting discounts and commissions. The underwriters can exercise this right at any time within 30 days from the date of this prospectus. If the underwriters exercise their option to purchase additional shares and/or common warrants in full, the total underwriting discounts and commissions payable by us will be \$805,000 and the total proceeds to us from this offering, before expenses, will be \$9,878,456, excluding the proceeds, if any, from the exercise of the pre-funded warrants or common warrants.

We anticipate that delivery of the common stock, any pre-funded warrants and accompanying common warrants will be made on or about April 11, 2019.

Sole Book-Running Manager

H.C. Wainwright & Co.

Manager

CIM Securities, LLC

The date of this prospectus is April 9, 2019.

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We and the underwriters have not authorized anyone to provide any information or to make any representations other than those contained in or incorporated by reference in this prospectus or in any free writing prospectuses prepared by or on behalf of us or to which we have referred you. We take no responsibility for, and can provide no assurance as to the reliability of, any other information that others may give you. This prospectus is an offer to sell only the shares offered hereby, but only under circumstances and in jurisdictions where it is lawful to do so. The information contained in or incorporated by reference in this prospectus is accurate only as of its date regardless of the time of delivery of this prospectus or of any sale of common stock or pre-funded warrants and accompanying common warrants.

Neither we nor the underwriters have done anything that would permit this offering or possession or distribution of this prospectus in any jurisdiction where action for that purpose is required, other than in the United States. Persons who come into possession of this prospectus and any free writing prospectus in jurisdictions outside the United States are required to inform themselves about and to observe any restrictions as to this offering and the distribution of this prospectus and any free writing prospectus applicable to that jurisdiction.

PROSPECTUS SUMMARY

This summary highlights certain information about us, this offering and selected information contained elsewhere in this prospectus and in the documents incorporated by reference. This summary is not complete and does not contain all of the information that you should consider before deciding whether to invest in our securities. For a more complete understanding of our company and this offering, we encourage you to read and consider carefully the more detailed information contained in or incorporated by reference in this prospectus, including the information contained under the heading "Risk Factors" beginning on page 11 of this prospectus, and the information included in any free writing prospectus that we have authorized for use in connection with this offering.

Throughout this prospectus, the terms "we," "us," "our," and "our company" refer to Vaxart, Inc.

Overview

We are a clinical-stage biotechnology company focused on the development of oral recombinant vaccines based on our proprietary oral vaccine platform. Our oral vaccines are designed to generate broad and durable immune responses that protect against a wide range of infectious diseases and may be useful for the treatment of chronic viral infections and cancer. Our vaccines are administered using a convenient room temperature-stable tablet, rather than by injection.

We are developing prophylactic vaccine candidates that target a range of infectious diseases. These include norovirus, a widespread cause of acute gastro-intestinal enteritis, for which two Phase 1 human studies have been completed; seasonal influenza, for which our vaccine protected patients in a recent Phase 2 challenge study; and respiratory syncytial virus, or RSV, a common cause of respiratory tract infections. In addition, we are developing our first therapeutic immune-oncology vaccine targeting cervical cancer and dysplasia caused by human papillomavirus, or HPV.

Vaccines have been essential in eradicating or significantly reducing multiple devastating infectious diseases, including polio, smallpox, mumps, measles, diphtheria, hepatitis B, influenza, human papillomavirus and several others. According to a recent MarketsandMarkets research report "Vaccines Market—Global Forecast to 2023", the global market for vaccines is expected to reach \$50.42 billion by 2023 from \$36.45 billion in 2018, at a compound annual growth rate of 6.7%.

We believe our oral tablet vaccine candidates offer several important advantages:

- First, they are designed to generate broad and durable immune responses, including systemic, mucosal and T cell responses, which may enhance protection against certain infectious diseases, such as influenza, norovirus and RSV, and may have potential clinical benefit for certain cancers and chronic viral infections, such as those caused by HPV.
- Second, our tablet vaccine candidates are designed to provide a more efficient and convenient method of administration, enhance patient acceptance and reduce distribution bottlenecks, which we believe will improve the effectiveness of vaccination campaigns. For example, according to the U.S. Centers for Disease Control and Prevention, or CDC, in the 2017/2018 seasonal influenza season, only approximately 42% of the U.S. population was vaccinated against influenza, with particularly low vaccination rates among adults between ages 18 and 49.
- Finally, we believe that utilizing our recombinant methods and production process will allow us to manufacture vaccines at scale more efficiently and within shorter time frames than conventional vaccines manufactured using traditional methods.

The Bivalent Phase 1b Study

Manufacturing of the norovirus GII.4 and GI.1 vaccine tablets for the bivalent norovirus Phase 1b study has been completed. The bivalent norovirus vaccine Phase 1b trial consists of two parts, an open-label lead-in phase during which 5 subjects were dosed with norovirus GII.4 vaccine in March 2019, and a double-blind, placebo-controlled phase during which a total of 80 subjects will be randomized into four groups and dosed with either placebo, norovirus GI.1 vaccine, norovirus GII.4 vaccine or both norovirus vaccines. Both portions of the study are designed to evaluate safety and immunogenicity. We expect the first dosing of the randomized portion of the study to begin in April 2019. We expect to receive topline data from the Phase 1b clinical study in the second half of 2019.

The Monovalent Phase 2 Challenge Study

In addition, we remain on track to initiate the Phase 2 monovalent norovirus challenge study in the second quarter of 2019, with results expected in the second half of 2019.

In preparation for the Phase 2 challenge study, we have conducted a virus titration study to help determine the appropriate quantity of the norovirus GI.1 virus to be used to challenge patients in the study.

- **Seasonal Influenza Vaccine.** Influenza is a major cause of morbidity and mortality in the U.S. and worldwide and, according to the CDC, only 42% of eligible U.S. citizens were vaccinated in 2017/2018, with particularly low vaccination rates among adults between ages 18 and 49. We believe our oral tablet vaccine has the potential to improve the protective efficacy of currently available influenza vaccines and increase flu vaccination rates.

Influenza is one of the most common global infectious diseases, causing mild to life-threatening illness and even death. It is estimated that at least 350 million cases of seasonal influenza occur annually worldwide, of which three to five million cases are considered severe, causing 290,000 to 650,000 deaths per year globally. During the most recent flu season 2017 - 2018, there were 79,400 flu related deaths in the U.S. alone, according to the CDC. Very young children and the elderly are at the greatest risk. In the United States, between 5% and 20% of the population contracts influenza, 226,000 people are hospitalized with complications of influenza, and between 3,000 and 49,000 people die from influenza and its complications each year, with up to 90% of the influenza-related deaths occurring in adults older than 65. The total economic burden of seasonal influenza has been estimated to be \$87.1 billion, including medical costs which average \$10.4 billion annually, while lost earnings due to illness and loss of life amount to \$16.3 billion annually.

We believe our tablet vaccine candidate has the potential to address many of the limitations of current injectable egg-based influenza vaccines, because: our tablet vaccine candidates are designed to create broad and durable immune responses, which may provide more effective immunity and protect against additional strain variants; our vaccine is delivered as a room temperature-stable tablet, which should provide a more convenient method of administration to enhance patient acceptance, and should simplify distribution and administration; and, by using recombinant methods, we believe our tablet vaccine may be manufactured more rapidly than vaccines manufactured using egg-based methods and should eliminate the risk of allergic reactions to egg protein.

Clinical Trial Update. In September 2018, we completed a \$15.7 million contract with the U.S. Government through the Office of Biomedical Advanced Research and Development Authority, or BARDA, under which a Phase 2 challenge study of our H1N1 flu vaccine candidate was conducted. Previously, we had announced that, in healthy volunteers immunized and then

experimentally infected with H1 influenza, our H1 influenza oral tablet vaccine reduced clinical disease by 39% relative to placebo, a result that was superior to that of Fluzone, the market-leading injectable quadrivalent influenza vaccine, which reduced clinical disease by only 27%. Our tablet vaccine also showed a favorable safety profile, indistinguishable from placebo. On October 4, 2018, we presented data from the study demonstrating that our vaccine elicited a significant expansion of mucosal homing receptor plasmablasts to approximately 60% of all activated B cells, while Fluzone only maintained baseline levels of 20%. We believe plasmablasts are a key indicator of a protective mucosal immune response and a unique feature of our vaccines. This data also provided evidence that our vaccines protect through mucosal immunity, the first line of defense against mucosal infections such as flu, norovirus, RSV and others, a potential key advantage over injectable vaccines for these indications.

At this time, we aim to finance development and commercialization of our seasonal quadrivalent influenza oral tablet vaccine through third-party collaboration and licensing arrangements, and/or non-dilutive funding. In the future, we may also consider equity offerings and/or debt financings to fund the program.

- **HPV Therapeutic Vaccine.** Our first therapeutic oral vaccine candidate targets HPV-16 and HPV-18, the two strains responsible for 70% of cervical cancers and precancerous cervical dysplasia.

Cervical cancer is the fourth most common cancer in women worldwide and in the United States with about 13,000 new cases diagnosed annually in the United States according to the National Cervical Cancer Coalition.

We have tested our HPV-16 vaccine candidate in two different HPV-16 solid tumor models in mice. The vaccine elicited T cell responses and promoted migration of the activated T cells into the tumors, leading to tumor cell killing. Mice that received our HPV-16 vaccine showed a significant reduction in volume of their established tumors.

In October 2018, we filed a pre-IND meeting request for our HPV therapeutic vaccines, VXA-HPV16.1 and VXA-HPV18.1, with the FDA, and we subsequently submitted a pre-IND briefing package. We received feedback from the FDA in January 2019 providing guidance for the IND we plan to submit. Based on this feedback, we expect to be able to file an IND for this product candidate in the course of 2019.

- **RSV Vaccine.** RSV is a major respiratory pathogen with a significant burden of disease in the very young and in the elderly.

Based on the positive results of our cotton rat study, we believe our proprietary oral vaccine platform is the optimal vaccine delivery system for RSV, offering significant advantages over injectable vaccines. We aim to develop a tablet RSV vaccine by licensing one or more RSV protein antigens that have demonstrated protection against RSV infection in clinical studies, or by partnering with a third party with RSV antigens that can be delivered with our platform.

Additional Objectives

- **Develop Other Tablet Vaccine Candidates Based On Our Proprietary Platform.** Our technology platform employs a modular approach using the Ad5 vector-adjuvant construct with disease-specific antigens and can be used to create new tablet vaccine candidates for a wide range of infectious diseases. We may consider exploring additional infectious diseases including RSV, Chikungunya, Hepatitis B and Herpes Simplex Virus 2, or HSV-2. In addition, we intend to leverage our vaccine formulation expertise to develop oral formulations suitable for pediatric populations.

- **Further Strengthen Our Intellectual Property Portfolio.** We intend to continue to strengthen our patent portfolio by filing and prosecuting current and future patent applications in the United States and international jurisdictions. In addition, we have established in-house formulation and tableting capabilities which we believe will allow us to further improve and optimize our proprietary techniques and know-how.
- **Maximize the Commercial Value of Our Tablet Vaccine Candidates.** We believe that we own worldwide rights for the research, development, manufacturing, marketing and commercialization of our tablet vaccine candidates. As we further develop our product candidates, we may seek partners to maximize the commercial opportunity of such tablet vaccine candidates.

Anti-Virals

- Through our merger with Aviragen Therapeutics, Inc. we acquired two royalty earning products, Relenza and Inavir, and three Phase 2 clinical stage antiviral compounds.
- Relenza and Inavir are antivirals for the treatment of influenza that are marketed by GSK and Daiichi Sankyo, respectively. We earn royalties on the net sales of Relenza and Inavir in Japan. Sales of Relenza and Inavir vary significantly from one year to the next, depending on the intensity of the flu season and competition from other antivirals such as Tamiflu. Importantly, on February 23, 2018, Xofluza, a new drug to treat influenza developed by Shionogi, was approved in Japan. The drug may gain significant market share, substantially reducing sales of Inavir.
- The three Phase 2 antiviral compounds obtained through the merger with Aviragen are: (i) BTA074, or teslexivir, an antiviral treatment for condyloma caused by human papillomavirus types 6 & 11; (ii) vapendavir, a capsid inhibitor for the prevention or treatment of rhinovirus upper respiratory infections; and (iii) BTA585, or enzaplatovir, a fusion protein inhibitor for the treatment of RSV infections. We have discontinued all three programs.

Recent Developments

Preliminary Unaudited First Quarter 2019 Financial Expectations

Set forth below are our expected cash and cash equivalents and long-term debt, including current portion, balances as of March 31, 2019. These preliminary results represent our estimates only and are based on currently available information and do not present all necessary information for an understanding of our financial condition as of March 31, 2019, or our results of operations for the three months ended March 31, 2019. As we complete our quarter-end financial close process and finalize our first quarter 2019 unaudited financial statements, we will be required to make significant judgments in a number of areas. This financial information has been prepared by and is the responsibility of our management. Our independent registered public accounting firm has not audited, reviewed or performed any procedures with respect to this preliminary financial data or the accounting treatment thereof and does not express an opinion or any other form of assurance with respect thereto. We expect to complete our unaudited financial statements for the quarter ended March 31, 2019 subsequent to the completion of this offering. It is possible that we or our independent registered public accounting firm may identify items that require us to make adjustments to the preliminary financial information set forth below and those changes could be material. Accordingly, undue reliance should not be placed on these preliminary estimates. These preliminary estimates are not necessarily indicative of any future period and should be read together with the sections titled "Risk Factors," "Special Note Regarding Forward-Looking Statements," and "Summary Selected Consolidated Financial Data" in this prospectus and with our financial statements, related notes and other financial information incorporated by reference in this prospectus.

- Total cash and cash equivalents is estimated to be approximately \$8.4 million as of March 31, 2019.
- Total long-term debt, including current portion, is estimated to be approximately \$20.1 million as of March 31, 2019.

Corporate Background

Vaxart Biosciences, Inc. was originally incorporated in California in March 2004 under the name West Coast Biologicals, Inc. The Company changed its name to Vaxart, Inc. in July 2007, and reincorporated in the state of Delaware.

On February 13, 2018, we completed a business combination with Aviragen Therapeutics, Inc., or Aviragen, a publicly-traded company. Under the terms of the agreement and plan of merger and reorganization dated October 27, 2017, Vaxart, Inc. survived as a wholly owned subsidiary of Aviragen and changed its name to Vaxart Biosciences, Inc. and Aviragen changed its name to Vaxart, Inc. Our common stock subsequently began trading on the Nasdaq Capital Market under the symbol "VXRT."

THE OFFERING

Common stock offered	925,455 shares
Pre-funded warrants offered	<p>We are also offering to certain purchasers whose purchase of shares of common stock in this offering would otherwise result in the purchaser, together with its affiliates and certain related parties, beneficially owning more than 4.99% (or, at the election of the purchaser, 9.99%) of our outstanding common stock immediately following the closing of this offering, the opportunity to purchase, if such purchasers so choose, pre-funded warrants to purchase 8,165,455 shares of common stock, in lieu of shares of common stock that would otherwise result in any such purchaser's beneficial ownership exceeding 4.99% (or, at the election of the purchaser, 9.99%) of our outstanding common stock. Each pre-funded warrant is exercisable for one share of our common stock. The purchase price of each pre-funded warrant and accompanying common warrant (as described below) is equal to the price at which a share of common stock and accompanying common warrant is being sold to the public in this offering, minus \$0.10, and the exercise price of each pre-funded warrant is \$0.10 per share. The pre-funded warrants are exercisable immediately and may be exercised at any time until all of the pre-funded warrants are exercised in full. This offering also relates to the shares of common stock issuable upon exercise of any pre-funded warrants sold in this offering.</p>
Common warrants offered by us in this offering	<p>Common warrants to purchase an aggregate of 9,090,910 shares of our common stock. Each share of our common stock and each pre-funded warrant is being sold together with a common warrant to purchase one share of our common stock. Each common warrant has an exercise price of \$1.10 per share, is immediately exercisable and will expire on the fifth anniversary of the original issuance date. This prospectus also relates to the offering of the shares of common stock issuable upon exercise of the common warrants.</p>
Option to purchase additional shares and/or common warrants	<p>The underwriters have a 30-day option to purchase up to an additional 1,363,636 shares of common stock and/or common warrants to purchase up to an additional 1,363,636 shares of common stock from us at the public offering price less underwriting discounts and commissions.</p>
Common stock to be outstanding after this offering	<p>9,266,644 shares (or 10,630,280 shares of common stock if the underwriters exercise their option to purchase additional shares in full) in each case assuming no exercise of the pre-funded warrants and assuming no exercise of any common warrants issued in this offering. Assuming all the pre-funded warrants were immediately exercised, there would be 17,432,099 shares of common stock outstanding after this offering (or 18,795,735 shares of common stock if the underwriters exercise their option to purchase additional shares in full).</p>

Use of proceeds

We estimate that our net proceeds from this offering will be approximately \$7.9 million (or approximately \$9.3 million if the underwriters exercise their option to purchase additional shares and common warrants in full), based on the combined public offering price of \$1.10 per share and \$1.00 per pre-funded warrant, and accompanying common warrant (excluding any proceeds that may be received upon the exercise of the pre-funded warrants), after deducting underwriting discounts and commissions and estimated offering expenses payable by us.

We currently intend to use the net proceeds from this offering to support the clinical and preclinical development of our product candidates, to conduct clinical trials including a Phase I study with our bivalent norovirus vaccines and a Phase II challenge study with our GI.1 monovalent norovirus vaccine, to support the manufacturing of vaccines for these clinical trials, and to advance our therapeutic HPV vaccine candidate and for general corporate and working capital purposes. See the section titled "Use of Proceeds."

Risk factors

See "Risk Factors" beginning on page 11 of this prospectus, as well as other information included in this prospectus, for a discussion of factors you should read and consider carefully before investing in our securities.

Nasdaq Capital Market symbol

"VXRT." We do not intend to list the pre-funded warrants or common warrants on any securities exchange or nationally recognized trading system.

Certain of our directors and members of senior management have agreed to purchase an aggregate of 259,091 shares of common stock and warrants to purchase 259,091 shares of common stock in this offering at the combined public offering price per share of common stock and accompanying common warrant. The underwriters will receive the same underwriting discounts and commissions on the securities purchased by these persons as they will on any other securities sold to the public in this offering.

The number of shares of common stock to be outstanding after this offering is based on 7,141,189 shares of common stock outstanding as of December 31, 2018, plus 1,200,000 shares of common stock we issued and sold subsequent to December 31, 2018, and excludes:

- 865,163 shares issuable upon the exercise of outstanding stock options with a weighted-average exercise price of \$8.13 per share;
- 10,914 shares issuable upon the exercise of an outstanding warrant with an exercise price of \$22.99 per share; and
- 223,377 shares reserved for future issuance under our 2016 Equity Incentive Plan.

Subsequent to December 31, 2018, we issued warrants to purchase up to 84,000 shares of common stock at an exercise price of \$3.125 per share to the designees of H.C. Wainwright & Co., LLC. In addition, at our annual meeting of stockholders to be held on April 23, 2019, our stockholders will be asked to approve our 2019 Equity Incentive Plan and the initial reservation of an aggregate of 1,600,000 shares thereunder.

Unless otherwise stated, information in this prospectus assumes:

- no exercise of outstanding options or warrants;
- no exercise by the underwriters of their option to purchase additional shares and/or common warrants; and
- no exercise of the pre-funded warrants, representative warrants or common warrants.

SUMMARY SELECTED CONSOLIDATED FINANCIAL DATA

You should read the summary selected consolidated financial data below in conjunction with "Management's Discussion and Analysis of Financial Condition and Results of Operations" and the consolidated financial statements, related notes and other financial information incorporated by reference in this prospectus. The summary selected consolidated financial data in this section are not intended to replace the consolidated financial statements and are qualified in their entirety by the selected consolidated financial data included in this prospectus and the consolidated financial statements and related notes incorporated by reference in this prospectus.

The following consolidated statements of operations and comprehensive loss data for the years ended December 31, 2017 and 2018 and the consolidated balance sheet data as of December 31, 2017 and 2018 have been derived from our audited consolidated financial statements incorporated by reference in this prospectus. Our historical results are not necessarily indicative of the results that may be expected in the future.

	Year Ended December 31,	
	2017	2018
	(in thousands)	
Consolidated Statements of Operations and Comprehensive Loss Data:		
Revenue from government contract	\$ 5,839	\$ 1,344
Royalty revenue	—	1,340
Non-cash royalty revenue related to the sale of future royalties	—	1,475
Total revenue	5,839	4,159
Operating expenses:		
Research and development	12,355	17,275
General and administrative	3,499	6,681
Impairment of intangible assets	—	1,600
Costs of exit from leased premise	—	359
Total operating expenses	15,854	25,915
Operating loss	(10,015)	(21,756)
Total other income and (expenses)	433	3,858
Loss before provision for income taxes	(9,582)	(17,898)
Provision for income taxes	—	109
Net loss	(9,582)	(18,007)
Series B and C preferred dividend	(2,878)	(339)
Net loss attributable to common stockholders	\$ (12,460)	\$ (18,346)
Net loss per share—basic and diluted	\$ (91.65)	\$ (2.90)
Shares used to compute net loss per share—basic and diluted	135,953	6,316,065

	As of December 31,	
	2017	2018
	(in thousands)	
Consolidated Balance Sheet Data:		
Cash and cash equivalents	\$ 1,571	\$ 11,506
Total assets	4,523	35,227
Long-term debt, including current portion	40,250	21,352
Total liabilities	43,245	23,989
Accumulated deficit	(79,982)	(97,989)
Total stockholders' (deficit) equity	(38,722)	11,238

RISK FACTORS

An investment in our securities involves a high degree of risk. You should carefully consider the risks described below as well as the other information in this prospectus and incorporated by reference in this prospectus before making a decision to invest in shares of our common stock or pre-funded warrants and accompanying common warrants, including the risks described under "Risk Factors" in our Annual Report on Form 10-K for the year ended December 31, 2018. Our business faces significant risks and the risks described below may not be the only risks we face. Additional risks not presently known to us or that we currently believe are immaterial may also significantly impair our business operations. If any of these risks occur, our business, results of operations or financial condition and prospects could be harmed. In that event, the market price of our common stock and the value of the pre-funded warrants could decline, and you could lose all or part of your investment.

Risks Related to this Offering

Management will have broad discretion as to the use of the net proceeds from this offering, and we may not use these proceeds effectively.

We have not designated any portion of the net proceeds from this offering to be used for any particular purposes. Our management will have broad discretion in the application of the net proceeds from this offering and could spend the proceeds in ways that do not improve our results of operations or enhance the value of our common stock. Accordingly, you will be relying on the judgment of our management with regard to the use of these net proceeds, and you will not have the opportunity, as part of your investment decision, to assess whether the proceeds are being used appropriately. Our failure to apply these funds effectively could have a material adverse effect on our business, delay the development of our products and cause the price of our common stock to decline.

You will experience immediate and substantial dilution if you purchase securities in this offering.

The price at which a share of common stock is sold in this offering will exceed the net tangible book value (deficit) per share of our common stock outstanding prior to this offering. Based on the combined public offering price of \$1.10 per share of common stock and \$1.00 per pre-funded warrant, and accompanying common warrant (and excluding shares of common stock issuable and any proceeds that may be received upon exercise of the pre-funded warrants), after deducting underwriting discounts and commissions and estimated offering expenses payable by us, you will experience immediate dilution of \$0.86 per share, representing the difference between the price you pay and our pro forma as adjusted net tangible book value (deficit) per share as of December 31, 2018, after giving effect to this offering. See the section titled "Dilution" below for a more detailed illustration of the dilution you would incur if you participate in this offering.

Purchasers in this offering may experience additional dilution of their investment in the future.

We may choose to raise additional capital due to market conditions or strategic considerations even if we believe we have sufficient funds for our current or future operating plans. If additional capital is raised through the sale of equity or convertible debt securities, or perceptions that those sales could occur, the issuance of these securities could result in further dilution to investors purchasing our common stock or pre-funded warrants in this offering or result in downward pressure on the price of our common stock, and our ability to raise capital in the future. In order to raise additional capital, such securities may be at prices that are not the same as the price per share in this offering. We cannot assure you that we will be able to sell shares or other securities in any other offering at a price per share that is equal to or greater than the price per share paid by investors in this offering, and investors purchasing shares or other securities in the future could have rights superior to existing stockholders, including investors who purchase securities in this offering. The price per share at which

we sell additional shares of our common stock or securities convertible into common stock in future transactions may be higher or lower than the price per share in this offering.

There is no public market for the pre-funded warrants or common warrants being offered in this offering.

There is no established public trading market for the pre-funded warrants or common warrants being offered in this offering, and we do not expect a market to develop. In addition, we do not intend to apply to list the pre-funded warrants or common warrants on any securities exchange or nationally recognized trading system, including the Nasdaq Capital Market. Without an active market, the liquidity of the pre-funded warrants and common warrants will be limited.

Holders of our pre-funded warrants and common warrants will have no rights as a common stockholder until they acquire our common stock.

Until you acquire shares of our common stock upon exercise of your pre-funded warrants or common warrants, you will have no rights with respect to shares of our common stock issuable upon exercise of your pre-funded warrants or common warrants. Upon exercise of your pre-funded warrants or common warrants, you will be entitled to exercise the rights of a common stockholder only as to matters for which the record date occurs after the exercise date.

The pre-funded warrants and common warrants are speculative in nature.

Neither the pre-funded warrants nor the common warrants offered hereby confer any rights of common stock ownership on their holders, such as voting rights or the right to receive dividends, but rather merely represent the right to acquire shares of common stock at a fixed price. Specifically, commencing on the date of issuance, holders of the pre-funded warrants may acquire the common stock issuable upon exercise of such warrants at an exercise price of \$0.10 per share of common stock and holders of the common warrants may acquire the common stock issuable upon exercise of such warrants at an exercise price of \$1.10 per share. Moreover, following this offering, the market value of the pre-funded warrants and common warrants is uncertain and there can be no assurance that the market value of the pre-funded warrants or the common warrants will equal or exceed their public offering price. There can be no assurance that the market price of the common stock will ever equal or exceed the exercise price of the pre-funded warrants or common warrants, and consequently, whether it will ever be profitable for holders of the pre-funded warrants to exercise the pre-funded warrants or the holders of the common warrants to exercise the common warrants.

SPECIAL NOTE REGARDING FORWARD-LOOKING STATEMENTS

This prospectus and the documents we have filed with the Securities and Exchange Commission, or the SEC, that are incorporated by reference contain "forward-looking statements" within the meaning of Section 27A of the Securities Act of 1933, as amended, or the Securities Act, and Section 21E of the Securities Exchange Act of 1934, or the Exchange Act. These statements relate to future events or to our future operating or financial performance and involve known and unknown risks, uncertainties and other factors which may cause our actual results, performance or achievements to be materially different from any future results, performances or achievements expressed or implied by the forward-looking statements. Forward-looking statements may include, but are not limited to, statements about:

- our ability to fund our working capital requirements;
- the amount and timing of royalties received on sales of Relenza and Inavir;
- the timing and costs of our planned clinical trials for our product candidates, both tablet vaccines and small-molecule antiviral drugs;
- our ability to obtain and maintain regulatory approval of our product candidates;
- our ability to establish and scale commercial manufacturing capabilities;
- the rate and degree of market acceptance of our products, if any, that are approved;
- our estimates of our expenses, ongoing losses, future revenue, capital requirements and our needs for or ability to obtain additional financing;
- our ability to obtain and maintain intellectual property protection for our product candidates;
- our ability to identify and develop new product candidates and the number and characteristics of product candidates that we pursue;
- our ability to retain and recruit key personnel;
- our planned use of the proceeds from this offering;
- our financial performance;
- our ability to become profitable and generate consistent cash flows to remain profitable;
- developments and projections relating to our competitors or our industry; and
- our expected use of the net proceeds from this offering.

In some cases, you can identify forward-looking statements by terms such as "anticipates," "believes," "could," "estimates," "intends," "may," "plans," "potential," "will," "would," or the negative of these terms or other similar expressions. These statements reflect our current views with respect to future events and are based on assumptions and are subject to risks and uncertainties. Given these uncertainties, you should not place undue reliance on these forward-looking statements. We discuss in greater detail many of these risks in the section titled "Risk Factors", in any free writing prospectuses we may authorize for use in connection with this offering, and in our most recent Annual Report on Form 10-K, as well as any amendments thereto reflected in subsequent filings with the SEC, which are incorporated by reference into this prospectus in their entirety. Also, these forward-looking statements represent our estimates and assumptions only as of the date of the document containing the applicable statement. Unless required by law, we undertake no obligation to update or revise any forward-looking statements to reflect new information or future events or developments.

In addition, statements that "we believe" and similar statements reflect our beliefs and opinions on the relevant subject. These statements are based upon information available to us as of the date of this

prospectus, and while we believe such information forms a reasonable basis for such statements, such information may be limited or incomplete, and our statements should not be read to indicate that we have conducted an exhaustive inquiry into, or review of, all potentially available relevant information. These statements are inherently uncertain and investors are cautioned not to unduly rely upon these statements.

You should read this prospectus, together with the documents we have filed with the SEC that are incorporated by reference and any free writing prospectus that we may authorize for use in connection with this offering completely and with the understanding that our actual future results may be materially different from what we expect. We qualify all of the forward-looking statements in the foregoing documents by these cautionary statements.

MARKET AND INDUSTRY DATA

This prospectus and the documents incorporated by reference in this prospectus contain market data and industry statistics and forecasts that are based on independent industry publications and other publicly available information. Although we believe that these sources are reliable, we do not guarantee the accuracy or completeness of this information and we have not independently verified this information. Although we are not aware of any misstatements regarding the market and industry data presented or incorporated by reference in this prospectus, these estimates involve risks and uncertainties and are subject to change based on various factors, including those discussed in the section titled "Risk Factors" and any related free writing prospectus. Accordingly, investors should not place undue reliance on this information.

USE OF PROCEEDS

We estimate that our net proceeds from the sale of 925,455 shares of common stock and pre-funded warrants to purchase 8,165,455 shares of common stock in this offering will be approximately \$7.9 million, based on combined public offering price of \$1.10 per share of common stock and \$1.00 per pre-funded warrant, and accompanying common warrant (excluding any proceeds that may be received upon the exercise of the pre-funded warrants), after deducting underwriting discounts and commissions and estimated offering expenses payable by us. If all the pre-funded warrants are exercised for cash of \$0.10 per share, then our net proceeds will be approximately \$8.7 million, after deducting underwriting discounts and commissions and estimated offering expenses payable by us. If the underwriters exercise their option to purchase 1,363,636 additional shares of common stock together with accompanying common warrants to purchase up to 1,363,636 shares of common stock in full, we estimate that our net proceeds from this offering will be approximately \$9.3 million (or \$10.1 million if all the pre-funded warrants are exercised for cash of \$0.10 per share), after deducting underwriting discounts and commissions and estimated offering expenses payable by us. We cannot predict when or if the pre-funded warrants or common warrants will be exercised. It is possible that the pre-funded warrants and common warrants may expire and may never be exercised.

We currently intend to use the net proceeds from this offering to support the clinical and preclinical development of our product candidates, to conduct clinical trials, including a Phase I study with our bivalent norovirus vaccines and a Phase II challenge study with our GI.1 monovalent norovirus vaccine, to support the manufacturing of vaccines for these clinical trials and to advance our therapeutic HPV vaccine candidate, and for general corporate and working capital purposes. Accordingly, we retain broad discretion to use of these proceeds.

Pending the use of the net proceeds from this offering, we intend to invest the net proceeds in investment-grade, interest-bearing instruments.

DIVIDEND POLICY

We have never paid or declared any cash dividends on our common stock. We do not anticipate paying any cash dividends on our common stock in the foreseeable future, and we intend to retain all available funds and any future earnings to fund the development and expansion of our business. In addition, covenants in the agreement governing our senior secured credit facility do not allow for the payment of any cash dividends. Any future determination to pay dividends will be at the discretion of our board of directors and will depend upon a number of factors, including our results of operations, financial condition, future prospects, contractual restrictions, restrictions imposed by applicable law and other factors our board of directors deems relevant.

CAPITALIZATION

The following table shows our cash and cash equivalents and our capitalization as of December 31, 2018 on:

- an actual basis;
- a pro forma basis giving effect to the sale by us of 1,200,000 shares of common stock subsequent to December 31, 2018 at a price of \$2.50 per share, after deducting placement agent fees and estimated offering expenses payable by us; and
- a pro forma as adjusted basis, giving further effect to the sale by us of 925,455 shares of common stock and pre-funded warrants to purchase up to 8,165,455 shares of common stock in this offering at a combined public offering price of \$1.10 per share of our common stock and \$1.00 per pre-funded warrant, and accompanying warrant (and excluding shares of common stock issuable and any proceeds that may be received upon exercise of the pre-funded warrants or any resulting accounting associated with the warrants), after deducting underwriting discounts and commissions and estimated offering expenses payable by us.

	<u>As of December 31, 2018</u>		
	<u>Actual</u>	<u>Pro Forma</u>	<u>Pro Forma As Adjusted</u>
	(in thousands, except share and per share data)		
Cash and cash equivalents	\$ 11,506	\$ 13,996	\$ 21,879
Long-term debt, including current portion	\$ 21,352	\$ 21,352	\$ 21,352
Stockholders' equity:			
Preferred stock, \$0.10 par value, 5,000,000 shares authorized, no shares issued and outstanding, actual, pro forma and pro forma as adjusted	—	—	—
Common stock, \$0.10 par value, 200,000,000 shares authorized, 7,141,189 shares issued and outstanding, actual; 8,341,189 shares issued and outstanding, pro forma; 9,266,644 shares issued and outstanding, pro forma as adjusted	714	834	927
Additional paid-in capital	108,513	110,883	118,673
Accumulated other comprehensive income	—	—	—
Accumulated deficit	(97,989)	(97,989)	(97,989)
Total stockholders' equity	<u>11,238</u>	<u>13,728</u>	<u>21,611</u>
Total capitalization	<u>\$ 32,590</u>	<u>\$ 35,080</u>	<u>\$ 42,963</u>

Assuming all the pre-funded warrants to purchase up to 8,165,455 shares of common stock were immediately exercised for cash at an exercise price of \$0.10 per share: (i) our pro forma as adjusted (in thousands) cash and cash equivalents would be \$22,696, common stock would be \$1,743, additional paid-in-capital would be \$118,674, total stockholders' equity would be \$22,428, and total capitalization would be \$43,780, and (ii) there would be 17,432,099 shares of common stock outstanding on a pro forma as adjusted basis.

The number of shares of common stock in the table above excludes:

- 865,163 shares issuable upon the exercise of outstanding stock options with a weighted-average exercise price of \$8.13 per share;

- 10,914 shares issuable upon the exercise of an outstanding warrant with an exercise price of \$22.99 per share; and
- 223,377 shares reserved for future issuance under our 2016 Equity Incentive Plan.

Subsequent to December 31, 2018, we issued warrants to purchase up to 84,000 shares of common stock at an exercise price of \$3.125 per share to the designees of H.C. Wainwright & Co., LLC. In addition, at our annual meeting of stockholders to be held on April 23, 2019, our stockholders will be asked to approve our 2019 Equity Incentive Plan and the initial reservation of an aggregate of 1,600,000 shares thereunder.

DILUTION

If you purchase securities in this offering, your interest will be diluted to the extent of the difference between the combined public offering price per share and the pro forma as adjusted net tangible book value per share of our common stock after this offering, assuming no value is attributed to the pre-funded warrants, and such pre-funded warrants are accounted for and classified as equity.

As of December 31, 2018, our pro forma net tangible book value (deficit) was \$(5.7) million, or \$(0.68) per share (after giving effect to the sale of 1,200,000 shares of common stock subsequent to December 31, 2018). Net tangible book value (deficit) is total tangible assets less total liabilities divided by the total number of outstanding shares of common stock.

After giving effect to the sale of 925,455 shares of common stock and pre-funded warrants to purchase up to 8,165,455 shares of common stock, and accompanying common warrants, in this offering at the combined public offering price of \$1.10 per share of common stock and accompanying common warrant and \$1.00 per pre-funded warrant and accompanying warrant (and excluding shares of common stock issuable and any proceeds that may be received upon exercise of the pre-funded warrants) after deducting underwriting discounts and commissions and estimated offering expenses payable by us, our pro forma as adjusted net tangible book value as of December 31, 2018, would have been \$2.2 million, or \$0.24 per share. This represents an immediate increase in pro forma as adjusted net tangible book value of \$0.92 per share to our existing stockholders and immediate dilution in net tangible book value of \$0.86 per share to investors participating in this offering. The following table illustrates this dilution per share to investors participating in this offering:

Combined public offering price per share and accompanying common warrant	\$ 1.10
Pro forma net tangible book value (deficit) per share as of December 31, 2018	\$ (0.68)
Increase in pro forma as adjusted net tangible book value per share attributable to new investors in this offering	<u>0.92</u>
Pro forma as adjusted net tangible book value per share after giving effect to this offering	<u>0.24</u>
Dilution in net tangible book value per share to new investors in this offering	<u>\$ 0.86</u>

The discussion and table above assume (i) no exercise of the underwriter's option to purchase up to an additional 1,363,636 shares of common stock and/or common warrants to purchase up to an additional 1,363,636 shares of our common stock and (ii) no exercise of common warrants and pre-funded warrants, sold in this offering.

If the underwriters exercise in full their option to purchase up to 1,363,636 additional shares of common stock together with accompanying common warrants to purchase up to an additional 1,363,636 shares of common stock, our pro forma as adjusted net tangible book value after this offering would be \$0.34 per share, representing an increase in pro forma as adjusted net tangible book value of \$1.02 per share to existing stockholders and immediate dilution in net tangible book value of \$0.76 per share to new investors in this offering.

Assuming all the pre-funded warrants to purchase up to 8,165,455 shares of common stock were immediately exercised for cash at an exercise price of \$0.10 per share, our pro forma as adjusted net tangible book value after this offering would be \$0.17 per share, representing an increase in pro forma as adjusted net tangible book value of \$0.85 per share to existing stockholders and immediate dilution in net tangible book value of \$0.93 per share to new investors in this offering.

Assuming all the pre-funded warrants to purchase up to 8,165,455 shares of common stock were immediately exercised for cash at an exercise price of \$0.10 per share and all the common warrants to purchase up to 9,090,910 shares of common stock were exercised for cash at an exercise price of \$1.10

per share, our pro forma as adjusted net tangible book value after this offering would be \$0.49 per share, representing an increase in pro forma as adjusted net tangible book value of \$1.17 per share and immediate dilution in net tangible book value of \$0.61 per share to new investors in this offering.

The number of shares of common stock to be outstanding after this offering is based on 7,141,189 shares of common stock outstanding as of December 31, 2018, plus 1,200,000 shares of common stock we issued and sold subsequent to December 31, 2018, and excludes:

- 865,163 shares issuable upon the exercise of outstanding stock options with a weighted-average exercise price of \$8.13 per share;
- 10,914 shares issuable upon the exercise of an outstanding warrant with an exercise price of \$22.99 per share; and
- 223,377 shares reserved for future issuance under our 2016 Equity Incentive Plan.

Subsequent to December 31, 2018, we issued warrants to purchase up to 84,000 shares of common stock at an exercise price of \$3.125 per share to the designees of H.C. Wainwright & Co., LLC. In addition, at our annual meeting of stockholders to be held on April 23, 2019, our stockholders will be asked to approve our 2019 Equity Incentive Plan and the initial reservation of an aggregate of 1,600,000 shares thereunder.

PRINCIPAL STOCKHOLDERS

The following table sets forth, as of December 31, 2018, information regarding beneficial ownership of our common stock by:

- each stockholder known by us to beneficially own more than 5% of our outstanding common stock;
- each of our current named executive officers as set forth in our Annual Report on Form 10-K for the year ended December 31, 2018;
- each of our directors; and
- all of our current executive officers and directors as a group.

Beneficial ownership is determined according to the rules of the SEC and generally means that a person has beneficial ownership of a security if he, she or it possesses sole or shared voting or investment power of that security, including options that are currently exercisable or exercisable within 60 days of December 31, 2018. Except as indicated by the footnotes below, we believe, based on the information furnished to us, that the persons named in the table below have sole voting and investment power with respect to all shares of common stock shown that they beneficially own.

Our calculation of the percentage of beneficial ownership before this offering is based on 7,141,189 shares of our common stock outstanding as of December 31, 2018, plus an additional 1,200,000 shares of common stock we issued and sold subsequent to December 31, 2018. We have based our calculation of the percentage of beneficial ownership after this offering on 9,266,644 shares of our common stock to be outstanding immediately after the closing of this offering, assuming no exercise of the pre-funded warrants, the common warrants or the representative warrants, and assuming no exercise by the underwriters of their option to purchase additional shares and/or common warrants.

Common stock subject to stock options currently exercisable or exercisable within 60 days of December 31, 2018, are deemed to be outstanding for computing the percentage ownership of the person holding these options and the percentage ownership of any group of which the holder is a member but are not deemed outstanding for computing the percentage of any other person.

Certain of our directors and members of senior management have agreed to purchase 259,091 shares of common stock and warrants to purchase 259,091 shares of common stock in this offering at the combined public offering price per share of common stock and accompanying common warrant. The table below assumes such purchases of securities by these persons.

Unless otherwise noted below, the address for each of the stockholders in the table below is c/o Vaxart, Inc., 290 Utah Ave, Suite 200, South San Francisco, California 94080.

Name of Beneficial Owner	Shares Beneficially Owned Prior to this Offering		Shares Beneficially Owned After this Offering	
	Shares	%	Shares	%
Greater than 5% Stockholders:				
Entities affiliated with Care Capital(1)	2,799,424	33.6%	2,799,424	30.2%
Executive Officers and Directors:				
Geoffrey F. Cox, Ph.D.(2)	8,567	*	8,567	*
Michael J. Finney, Ph.D.(3)	270,754	3.2	634,390	6.7
John M. Harland(4)	23,636	*	23,636	*
Wouter W. Latour, M.D.(5)	78,051	*	78,051	*
Richard J. Markham(6)	—	*	—	*
John P. Richard(7)	9,543	*	9,543	*
Sean N. Tucker, Ph.D.(8)	130,710	1.6	185,256	2.0
Anne M. VanLent(9)	12,724	*	12,724	*
All executive officers and directors as a group (8 persons)	533,985	6.3%	952,167	10.0%

* Represents beneficial ownership of less than one percent.

- (1) Includes (a) 2,753,441 shares held by Care Capital Investments III, LP ("Investments III") and (b) 45,983 shares held by Care Capital Offshore Investments III, LP ("Offshore III"). Care Capital III LLC is the general partner of Investments III LP and Offshore III (collectively, "Care Capital") and as a result, Care Capital III LLC has the ultimate power to vote or direct the vote and to dispose or direct the disposition of such shares. The address for each of these entities is P.O. Box 276, Avon by the Sea, New Jersey 07717.
- (2) Includes (a) 388 shares held by Dr. Cox's spouse, and (b) 8,179 shares issuable pursuant to stock options exercisable within 60 days of December 31, 2018.
- (3) Dr. Finney has agreed to purchase 181,818 shares of common stock and warrants to purchase up to 181,818 shares of common stock in this offering.
- (4) Includes (a) 761 shares held directly by Mr. Harland, and (b) 22,875 shares issuable pursuant to stock options exercisable within 60 days of December 31, 2018.
- (5) Consists of 78,051 shares issuable pursuant to stock options exercisable within 60 days of December 31, 2018.
- (6) Mr. Markham ceased to serve as a managing member of Care Capital effective December 31, 2018, and does not beneficially own any shares.
- (7) Consists of 9,543 shares issuable pursuant to stock options exercisable within 60 days of December 31, 2018.
- (8) Includes (a) 47,653 shares held directly by Dr. Tucker, (b) 25,388 shares held by Frances Chang and Sean Tucker, (c) 9,060 shares held by Dr. Tucker's spouse, and (d) 48,609 shares issuable pursuant to stock options exercisable within 60 days of December 31, 2018. Dr. Tucker has agreed to purchase 27,273 shares of common stock and warrants to purchase up to 27,273 shares of common stock in this offering.
- (9) Includes (a) 3,181 shares held directly by Ms. VanLent, and (b) 9,543 shares issuable pursuant to stock options exercisable within 60 days of December 31, 2018.

DESCRIPTION OF CAPITAL STOCK

The following summary description of our capital stock is based on the provisions of our amended and restated certificate of incorporation and amended and restated bylaws and the applicable provisions of the Delaware General Corporation Law. This information is qualified entirely by reference to the applicable provisions of our amended and restated certificate of incorporation, bylaws and the Delaware General Corporation Law. For information on how to obtain copies of our amended and restated certificate of incorporation and bylaws, which are exhibits to the registration statement of which this prospectus is a part, see the sections titled "Where You Can Find Additional Information" and "Incorporation of Certain Information by Reference" in this prospectus.

General

Our authorized capital stock consists of (i) 200,000,000 shares of common stock, par value \$0.10 per share and (ii) 5,000,000 shares of preferred stock, par value \$0.10 per share. At our annual meeting of stockholders to be held on April 23, 2019, our stockholders will be asked to approve an amendment to our amended and restated certificate of incorporation to decrease our authorized shares of common stock from 200,000,000 to 100,000,000 shares.

As of December 31, 2018, there were 7,141,189 shares of common stock issued and outstanding, and no shares of preferred stock outstanding. Subsequent to December 31, 2018, we issued and sold 1,200,000 shares of common stock.

The following is a summary of the material provisions of the common stock and preferred stock provided for in our amended and restated certificate of incorporation and amended and restated bylaws.

Common Stock

Voting

Our common stock is entitled to one vote for each share held of record on all matters submitted to a vote of the stockholders, except that directors will be elected by a plurality of votes cast. Accordingly, the holders of a majority of the shares of common stock entitled to vote in any election of directors are able to elect all of the directors standing for election, if they so choose.

Dividends

Subject to preferences that may be applicable to any then outstanding preferred stock, the holders of common stock are entitled to receive dividends, if any, as may be declared from time to time by our board of directors out of legally available funds. We have never paid cash dividends and have no present intention to pay cash dividends.

Liquidation

In the event of a liquidation, dissolution or winding up, holders of our common stock will be entitled to share ratably in the net assets legally available for distribution to stockholders after the payment of all of our debts and other liabilities, subject to the satisfaction of any liquidation preference granted to the holders of any outstanding shares of preferred stock.

Rights and Preferences

Holders of our common stock have no preemptive, conversion or subscription rights, and there are no redemption or sinking fund provisions applicable to our common stock. The rights, preferences and privileges of the holders of our common stock are subject to, and may be adversely affected by, the

rights of the holders of shares of any series of our preferred stock that we may designate and issue in the future.

Fully Paid and Nonassessable

All of our outstanding shares of common stock are fully paid and nonassessable.

Preferred Stock

Our board of directors has the authority, without further action by the stockholders, to issue up to 5,000,000 shares of preferred stock in one or more series, to establish from time to time the number of shares to be included in each such series, to fix the rights, preferences and privileges of the shares of each wholly unissued series and any qualifications, limitations or restrictions thereon and to increase or decrease the number of shares of any such series, but not below the number of shares of such series then outstanding.

Our board of directors may authorize the issuance of preferred stock with voting or conversion rights that could adversely affect the voting power or other rights of the holders of the common stock. The issuance of preferred stock, while providing flexibility in connection with possible acquisitions and other corporate purposes, could, among other things, have the effect of delaying, deferring or preventing a change in our control that may otherwise benefit holders of our common stock and may adversely affect the market price of the common stock and the voting and other rights of the holders of common stock. As of December 31, 2018, there were no shares of preferred stock outstanding and we have no current plans to issue any shares of preferred stock.

Anti-Takeover Effects of Provisions of Our Charter Documents and Delaware Law

Delaware Anti-Takeover Law

We are subject to Section 203 of the DGCL, or Section 203. Section 203 generally prohibits a public Delaware corporation from engaging in a "business combination" with an "interested stockholder" for a period of three years after the date of the transaction in which the person became an interested stockholder, unless:

- prior to the date of the transaction, the board of directors of the corporation approved either the business combination or the transaction which resulted in the stockholder becoming an interested stockholder;
- the interested stockholder owned at least 85% of the voting stock of the corporation outstanding upon consummation of the transaction, excluding for purposes of determining the number of shares outstanding (1) shares owned by persons who are directors and also officers and (2) shares owned by employee stock plans in which employee participants do not have the right to determine confidentially whether shares held subject to the plan will be tendered in a tender or exchange offer; or
- on or subsequent to the consummation of the transaction, the business combination is approved by the board and authorized at an annual or special meeting of stockholders, and not by written consent, by the affirmative vote of at least 66^{2/3}% of the outstanding voting stock which is not owned by the interested stockholder.
- Section 203 defines a business combination to include:
 - any merger or consolidation involving the corporation and the interested stockholder;
 - any sale, transfer, pledge or other disposition involving the interested stockholder of 10% or more of the assets of the corporation;

- subject to exceptions, any transaction involving the corporation that has the effect of increasing the proportionate share of the stock of any class or series of the corporation beneficially owned by the interested stockholder;
- subject to exceptions, any transaction that results in the issuance or transfer by the corporation of any stock of the corporation to the interested stockholder; and
- the receipt by the interested stockholder of the benefit of any loans, advances, guarantees, pledges or other financial benefits provided by or through the corporation.

In general, Section 203 defines an interested stockholder as any entity or person beneficially owning 15% or more of the outstanding voting stock of the corporation and any entity or person affiliated with or controlling or controlled by the entity or person.

Certificate of Incorporation and Bylaws

Provisions of our certificate of incorporation and bylaws may delay or discourage transactions involving an actual or potential change-in-control or change in our management, including transactions in which stockholders might otherwise receive a premium for their shares or transactions that our stockholders might otherwise deem to be in their best interests. Therefore, these provisions could adversely affect the price of our common stock. Among other things, our certificate of incorporation and bylaws:

- permit our board of directors to issue up to 5,000,000 shares of preferred stock, with any rights, preferences and privileges as they may designate (including the right to approve an acquisition or other change in control);
- provide that the authorized number of directors may be changed only by resolution adopted by a majority of the board of directors;
- provide that all vacancies, including newly created directorships, may, except as otherwise required by law or subject to the rights of holders of preferred stock as designated from time to time, be filled by the affirmative vote of a majority of directors then in office, even if less than a quorum;
- require that any action to be taken by our stockholders must be effected at a duly called annual or special meeting of stockholders or by action taken by written consent;
- provide that stockholders seeking to present proposals before a meeting of stockholders or to nominate candidates for election as directors at a meeting of stockholders must provide notice in writing in a timely manner and also specify requirements as to the form and content of a stockholder's notice; and
- provide that special meetings of our stockholders may be called only by the chairman of the board, the president or by our board of directors pursuant to a resolution adopted by a majority of the total number of authorized directors (whether or not there exist any vacancies).

Nasdaq Capital Market Listing

Our common stock is listed on the Nasdaq Capital Market under the symbol "VXRT."

Transfer Agent and Registrar

The transfer agent and registrar for our common stock is American Stock Transfer & Trust Company, LLC. The transfer agent and registrar's address is 6201 15th Avenue, Brooklyn, New York 11219.

DESCRIPTION OF SECURITIES WE ARE OFFERING

We are offering 925,455 shares of our common stock and pre-funded warrants to purchase 8,165,455 shares of common stock, and accompanying common warrants to purchase up to 9,090,910 shares of our common stock. Each share of common stock or pre-funded warrant is being sold together with a common warrant to purchase one share of common stock. The shares of common stock, pre-funded warrants and common warrants will be issued separately. We are also registering the shares of common stock issuable from time to time upon exercise of the pre-funded warrants and common warrants offered hereby.

Common Stock

The material terms and provisions of our common stock and each other class of our securities which qualifies or limits our common stock are described under the caption "Description of Capital Stock" in this prospectus.

Pre Funded Warrants

The following summary of certain terms and provisions of 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 is filed as an exhibit to the registration statement of which this prospectus forms a part. 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.

Duration and Exercise Price. Each pre-funded warrant offered hereby will have an initial exercise price per share equal to \$0.10. The pre-funded warrants will be 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. The pre-funded warrants will be issued separately from the accompanying common warrants, and may be transferred separately immediately thereafter.

Exercisability. The pre-funded warrants will be 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). 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 4.99% of the outstanding common stock immediately after exercise, except that upon at least 61 days' prior notice from the holder to us, the holder may increase the amount of ownership of outstanding stock after exercising the holder's pre-funded warrants up to 9.99% of the number of shares of our common stock outstanding immediately after giving effect to the exercise, as such percentage ownership is determined in accordance with the terms of the pre-funded warrants. Purchasers of pre-funded warrants in this offering may also elect prior to the issuance of the pre-funded warrants to have the initial exercise limitation set at 9.99% of our 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 either pay the holder an amount in cash equal to the fractional amount multiplied by the exercise price or round up to the next whole share.

Cashless Exercise. If, at the time a holder exercises its pre-funded warrants, a registration statement registering the issuance of the shares of common stock underlying the pre-funded warrants under the Securities Act is not then effective or available, then in lieu of making the cash payment otherwise contemplated to be made to us upon such exercise 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. Notwithstanding the foregoing, in the event of a fundamental transaction, the holders will have the option, which may be exercised within 30 days after the consummation of the fundamental transaction, to require us or our successor entity to purchase the common warrants from the holder by paying to the holder an amount of cash equal to the Black Scholes value of the remaining unexercised portion of the common warrant on the date of the consummation of the fundamental transaction. However, if the fundamental transaction is not within our control, including not approved by our board of directors, the holder will only be entitled to receive from us or our successor entity, as of the date of consummation of such fundamental transaction, the same type or form of consideration (and in the same proportion), at the Black Scholes value of the unexercised portion of the common warrant, that is being offered and paid to the holders of common stock in connection with the fundamental transaction, whether that consideration be in the form of cash, stock or any combination thereof, or whether the holders of common stock are given the choice to receive from among alternative forms of consideration in connection with the fundamental transaction.

Common Warrants

The following summary of certain terms and provisions of common warrants that are being offered hereby is not complete and is subject to, and qualified in its entirety by, the provisions of the common warrants, the form of which is filed as an exhibit to the registration statement of which this prospectus forms a part. Prospective investors should carefully review the terms and provisions of the form of common warrant for a complete description of the terms and conditions of the common warrants.

Duration and Exercise Price. Each common warrant offered hereby will have an initial exercise price per share equal to \$1.10. The common warrants will be immediately exercisable and will expire on the fifth anniversary of the original issuance date. 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. The common warrants will be issued separately from the common stock, and may be transferred separately

immediately thereafter. A common warrant to purchase one share of our common stock will be issued for every one share of common stock or pre-funded warrant purchased in this offering.

Exercisability. The common warrants will be 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). A holder (together with its affiliates) may not exercise any portion of the common warrant to the extent that the holder would own more than 4.99% of the outstanding common stock immediately after exercise, except that upon at least 61 days' prior notice from the holder to us, the holder may increase the amount of ownership of outstanding stock after exercising the holder's common warrants up to 9.99% of the number of shares of our common stock outstanding immediately after giving effect to the exercise, as such percentage ownership is determined in accordance with the terms of the common warrants. Purchasers in this offering may also elect prior to the issuance of the common warrants to have the initial exercise limitation set at 9.99% of our outstanding common stock. No fractional shares of common stock will be issued in connection with the exercise of a common warrant. In lieu of fractional shares, we will either pay the holder an amount in cash equal to the fractional amount multiplied by the exercise price or round up to the next whole share.

Cashless Exercise. If, at the time a holder exercises its common warrants, a registration statement registering the issuance of the shares of common stock underlying the common warrants under the Securities Act is not then effective or available and an exemption from registration under the Securities Act is not available for the issuance of such shares, then in lieu of making the cash payment otherwise contemplated to be made to us upon such exercise 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 common warrants.

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

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

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

Fundamental Transaction. In the event of a fundamental transaction, as described in the common 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 common warrants will be entitled to receive upon exercise of the common warrants the kind and amount of securities, cash or other property that the holders would have received had they exercised the common warrants immediately prior to such fundamental transaction.

UNDERWRITING

We have entered into an underwriting agreement with H.C. Wainwright & Co., LLC as the sole book-running manager of this offering. Subject to the terms and conditions of the underwriting agreement, we have agreed to sell to the underwriters, and the underwriters have agreed to purchase from us, shares of our common stock and pre-funded warrants and accompanying common warrants to purchase shares of our common stock. Our common stock is listed on the Nasdaq Capital Market under the symbol "VXRT".

Pursuant to the terms and subject to the conditions contained in the underwriting agreement, we have agreed to sell to the underwriters named below, and the underwriters have agreed to purchase from us, the respective number of shares of common stock, pre-funded warrants and common warrants to purchase common stock set forth opposite their name below:

<u>Underwriter</u>	<u>Number of Shares of Common Stock</u>	<u>Number of Pre-Funded Warrants</u>	<u>Number of Common Warrants</u>
H.C. Wainwright & Co., LLC	786,637	6,940,637	7,727,274
CIM Securities, LLC	138,818	1,224,818	1,363,636
Total	925,455	8,165,455	9,090,910

The underwriting agreement provides that the obligation of the underwriters to purchase the shares of common stock and pre-funded warrants and common warrants to purchase shares of common stock offered by this prospectus is subject to certain conditions. The underwriters are obligated to purchase all of the shares of common stock and/or pre-funded warrants and common warrants to purchase shares of our common stock offered hereby if any of the securities are purchased, other than those shares covered by the option to purchase additional shares and/or common warrants described below.

Option to Purchase Additional Securities

We have granted the underwriters an option to purchase additional securities. This option, which is exercisable for up to 30 days after the date of this prospectus, permits the underwriters to purchase up to 1,363,636 shares of common stock at a price of \$1.10 per share, and/or common warrants exercisable for up to 1,363,636 shares of common stock at a price of \$0.10 per common warrant, less underwriting discounts and commissions.

Discounts, Commissions and Expenses

The underwriters propose to offer the shares of common stock and pre-funded warrants and accompanying common warrants to purchase shares of our common stock pursuant to the underwriting agreement to the public at the combined public offering price set forth on the cover page of this prospectus and to certain dealers at that price less a concession not in excess of \$0.0495 per share based on the combined public offering price per share and accompanying common warrant set forth on the cover page of this prospectus. After this offering, the public offering price and concession may be changed by the underwriters. No such change shall change the amount of proceeds to be received by us as set forth on the cover page of this prospectus.

In connection with the sale of the common stock and pre-funded warrants and accompanying common warrants to purchase shares of our common stock to be purchased by the underwriters, the underwriters will be deemed to have received compensation in the form of underwriting discounts and commissions. The underwriting discounts and commissions will be 7% of the gross proceeds of this offering, or \$0.077 per share of common stock and accompanying common warrant or per pre-funded warrant and accompanying common warrant.

Certain of our directors and members of senior management have agreed to purchase an aggregate of 259,091 shares of common stock and warrants to purchase 259,091 shares of common stock in this offering at the combined public offering price per share of common stock and accompanying common warrant.

The following table shows underwriting discounts and commissions payable to the underwriters by us in connection with this offering:

	Per Share	Per Pre-Funded Warrant	Per Common Warrant	Total	
				No Exercise	Full Exercise
Public offering price	\$ 1.000	\$ 0.900	\$ 0.100	\$ 9,183,456	\$ 10,683,456
Underwriting discounts and commissions payable by us	\$ 0.070	\$ 0.070	\$ 0.007	\$ 700,000	\$ 805,000

We have also agreed to reimburse H.C. Wainwright & Co., LLC for reasonable out-of-pocket expenses, including legal fees and expenses, of up to \$40,000. We estimate the total expenses payable by us for this offering will be approximately \$600,000, which amount excludes underwriting discounts and commissions.

Representative Warrants

In addition, we have agreed to issue to H.C. Wainwright & Co., LLC warrants to purchase up to 731,818 shares of common stock (which represents 7% of the aggregate number of shares of common stock sold in this offering (including the number of shares of common stock issuable upon exercise of the pre-funded warrants and the underwriters' option to purchase additional shares of common stock if exercised) at an exercise price of \$1.375 per share of common stock (representing 125% of the combined public offering price per share of common stock to be sold in this offering). The warrants will each have a term of five years from the effective date of the registration statement of which this prospectus forms a part. Pursuant to the Financial Industry Regulatory Authority, Inc., or FINRA, Rule 5110(g), the warrants and any shares of common stock issued upon exercise of the warrants may not be sold, transferred, assigned, pledged or hypothecated, or be the subject of any hedging, short sale, derivative, put or call transaction that would result in the effective economic disposition of the securities by any person for a period of 180 days immediately following the date of effectiveness or commencement of sales of this offering, except the transfer of any security: (i) by operation of law or by reason of our reorganization; (ii) to any FINRA member firm participating in the offering and the officers or partners thereof, if all securities so transferred remain subject to the lock-up restriction set forth above for the remainder of the time period; (iii) if the aggregate amount of our securities held by the underwriters or related persons do not exceed 1% of the securities being offered; (iv) that is beneficially owned on a pro-rata basis by all equity owners of an investment fund, provided that no participating member manages or otherwise directs investments by the fund and the participating members in the aggregate do not own more than 10% of the equity in the fund; or (v) the exercise or conversion of any security, if all securities remain subject to the lock-up restriction set forth above for the remainder of the time period.

Right of First Refusal

We have also granted H.C. Wainwright & Co., LLC certain rights of first refusal to act as an underwriter or placement agent for a period of twelve months following the closing of this offering.

Indemnification

Pursuant to the underwriting agreement, we have agreed to indemnify the underwriters against certain liabilities, including liabilities under the Securities Act, or to contribute to payments that the underwriter or such other indemnified parties may be required to make in respect of those liabilities.

Determination of Offering Price

The actual offering price of the securities we are offering was negotiated between us and the underwriters based on the trading of our shares of common stock prior to the offering, among other things.

Lock-Up Agreements

We have agreed not to (i) offer, pledge, issue, sell, contract to sell, purchase, contract to purchase, lend or otherwise transfer or dispose of, directly or indirectly, any shares of our common stock or any securities convertible into or exercisable or exchangeable for our common stock; (ii) enter into any swap or other arrangement that transfers, in whole or in part, any of the economic consequences of ownership of shares of common stock; or (iii) file any registration statement with the SEC relating to the offering of any shares of our common stock or any securities convertible into or exercisable or exchangeable for shares of our common stock, without the prior written consent of H.C. Wainwright & Co., LLC for a period of 90 days following the date of this prospectus. This consent may be given at any time without public notice. These restrictions on future issuances are subject to exceptions, including for (i) the issuance of shares of our common stock in this offering and shares of our common stock underlying the pre-funded warrants, common warrants and representative warrants, (ii) the issuance of shares of our common stock upon the exercise of outstanding options or pursuant to certain other rights, (iii) the issuance of shares of our common stock or options to acquire shares of our common stock pursuant to our equity incentive plans, and (iv) the filing of one or more registration statements on Form S-8 with respect to shares of our common stock underlying our equity incentive plans from time to time.

In addition, subject to certain limited circumstances, each of our directors and executive officers, and our principal stockholder, has entered into a lock-up agreement with the underwriters. Under the lock-up agreements, the directors, executive officers and this stockholder may not, directly or indirectly, sell, offer to sell, contract to sell, or grant any option for the sale (including any short sale), grant any security interest in, pledge, hypothecate, hedge, establish an open "put equivalent position" (within the meaning of Rule 16a-1(h) under the Securities Exchange Act of 1934, as amended, or the Exchange Act), or otherwise dispose of, or enter into any transaction which is designed to or could be expected to result in the disposition of, any shares of our common stock or securities convertible into or exchangeable for shares of our common stock, or publicly announce any intention to do any of the foregoing, without the prior written consent of H.C. Wainwright & Co., LLC, for a period of 90 days from the date of this prospectus. This consent may be given at any time without public notice.

Price Stabilization, Short Positions and Penalty Bids

The underwriters may engage in syndicate covering transactions, stabilizing transactions and penalty bids or purchases for the purpose of pegging, fixing or maintaining the price of our shares of common stock:

- Syndicate covering transactions involve purchases of securities in the open market after the distribution has been completed in order to cover syndicate short positions. Such a naked short position would be closed out by buying securities in the open market. A naked short position is more likely to be created if the underwriter is concerned that there could be downward pressure

on the price of the securities in the open market after pricing that could adversely affect investors who purchase in the offering.

- Stabilizing transactions permit bids to purchase the underlying security so long as the stabilizing bids do not exceed a specific maximum.
- Penalty bids permit the underwriter to reclaim a selling concession from a syndicate member when the securities originally sold by the syndicate member are purchased in a stabilizing or syndicate covering transaction to cover syndicate short positions.

These syndicate covering transactions, stabilizing transactions and penalty bids may have the effect of raising or maintaining the market prices of our securities or preventing or retarding a decline in the market prices of our securities. As a result, the price of our shares of common stock may be higher than the price that might otherwise exist in the open market. Neither we nor the underwriter make any representation or prediction as to the effect that the transactions described above may have on the price of our shares of common stock. These transactions may be effected on the Nasdaq Capital Market, in the over-the-counter market or on any other trading market and, if commenced, may be discontinued at any time.

In connection with this offering, the underwriters also may engage in passive market making transactions in our shares of common stock in accordance with Regulation M during a period before the commencement of offers or sales of our shares of common stock in this offering and extending through the completion of the distribution. In general, a passive market maker must display its bid at a price not in excess of the highest independent bid for that security. However, if all independent bids are lowered below the passive market maker's bid that bid must then be lowered when specific 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.

Neither we nor the underwriters make any representation or prediction as to the direction or magnitude of any effect that the transactions described above may have on the prices of our securities. In addition, neither we nor the underwriters make any representation that the underwriters will engage in these transactions or that any transactions, once commenced, will not be discontinued without notice.

Other Relationships

From time to time, certain of the underwriters and their affiliates have provided, and 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.

MATERIAL U.S. FEDERAL INCOME TAX CONSEQUENCES

The following is a summary of the material U.S. federal income tax consequences of the acquisition, ownership and disposition of our common stock and the pre-funded warrants and the acquisition, ownership, exercise, expiration or disposition of the common warrants, but does not purport to be a complete analysis of all the potential tax considerations relating thereto. This summary is based upon the provisions of the Internal Revenue Code of 1986, as amended, or the Code, Treasury Regulations promulgated thereunder, administrative rulings and judicial decisions, all as of the date hereof. These authorities may be changed or subject to differing interpretations, possibly with retroactive effect, so as to result in U.S. federal income tax consequences different from those set forth below. We have not sought and will not seek any ruling from the Internal Revenue Service, or the IRS, with respect to the statements made and the conclusions reached in the following summary, and there can be no assurance that the IRS or a court will agree with such statements and conclusions.

This summary also does not address the tax considerations arising under the laws of any U.S. state or local or any non-U.S. jurisdiction, estate or gift tax, the 3.8% Medicare tax on net investment income or any alternative minimum tax consequences. In addition, this discussion does not address tax considerations applicable to a holder's particular circumstances or to a holder that may be subject to special tax rules, including, without limitation:

- banks, insurance companies or other financial institutions;
- tax-exempt or government organizations;
- brokers or dealers in securities or currencies;
- traders in securities that elect to use a mark-to-market method of accounting for their securities holdings;
- persons that own, or are deemed to own, more than five percent of our capital stock;
- certain U.S. expatriates, citizens or former long-term residents of the United States;
- persons who hold our common stock, pre-funded warrants or common warrants as a position in a hedging transaction, "straddle," "conversion transaction," synthetic security, other integrated investment, or other risk reduction transaction;
- persons who do not hold our common stock, pre-funded warrants or common warrants as a capital asset within the meaning of Section 1221 of the Code (generally, for investment purposes);
- persons deemed to sell our common stock, pre-funded warrants or common warrants under the constructive sale provisions of the Code;
- pension plans;
- partnerships, or other entities or arrangements treated as partnerships for U.S. federal income tax purposes, or investors in any such entities;
- persons for whom our stock constitutes "qualified small business stock" within the meaning of Section 1202 of the Code;
- integral parts or controlled entities of foreign sovereigns;
- passive foreign investment companies and corporations that accumulate earnings to avoid U.S. federal income tax; or
- persons that acquire our common stock or pre-funded warrants as compensation for services.

In addition, if a partnership, including any entity or arrangement classified as a partnership for U.S. federal income tax purposes, holds our common stock, pre-funded warrants or common warrants, the tax treatment of a partner generally will depend on the status of the partner, the activities of the partnership, and certain determinations made at the partner level. Accordingly, partnerships that hold our common stock, pre-funded warrants or common warrants, and partners in such partnerships, should consult their tax advisors regarding the U.S. federal income tax consequences to them of the purchase, ownership, and disposition of our common stock, pre-funded warrants or common warrants.

You are urged to consult your tax advisor with respect to the application of the U.S. federal income tax laws to your particular situation, as well as any tax consequences of the purchase, ownership and disposition of our common stock, pre-funded warrants or common warrants arising under the U.S. federal estate or gift tax rules or under the laws of any U.S. state or local or any non-U.S. or other taxing jurisdiction or under any applicable tax treaty.

Definition of a U.S. Holder

For purposes of this summary, a "U.S. Holder" is any beneficial owner of our common stock, pre-funded warrants or common warrants that is a "U.S. person," and is not a partnership, or an entity treated as a partnership or disregarded from its owner, each for U.S. federal income tax purposes. A U.S. person is any person that, for U.S. federal income tax purposes, is or is treated as any of the following:

- an individual who is a citizen or resident of the United States;
- a corporation created or organized under the laws of the United States, any state thereof, or the District of Columbia;
- an estate, the income of which is subject to U.S. federal income tax regardless of its source; or
- a trust that (1) is subject to the primary supervision of a U.S. court and the control of one or more U.S. persons (within the meaning of Section 7701(a)(30) of the Code), or (2) has a valid election in effect to be treated as a U.S. person for U.S. federal income tax purposes.

For purposes of this summary, a "Non-U.S. Holder" is any beneficial owner of our common stock, pre-funded warrants or common warrants that is not a U.S. Holder or a partnership, or other entity treated as a partnership or disregarded from its owner, each for U.S. federal income tax purposes.

Treatment of Pre-funded Warrants

Although it is not entirely free from doubt, a pre-funded warrant should be treated as a share of our common stock for U.S. federal income tax purposes and a holder of pre-funded warrants should generally be taxed in the same manner as a holder of common stock, as described below. Accordingly, no gain or loss should be recognized upon the exercise of a pre-funded warrant and, upon exercise, the holding period of a pre-funded warrant should carry over to the share of common stock received. Similarly, the tax basis of the pre-funded warrant should carry over to the share of common stock received upon exercise, increased by the exercise price of \$0.10 per share. Each holder should consult his, her or its own tax advisor regarding the risks associated with the acquisition of pre-funded warrants pursuant to this offering (including potential alternative characterizations). The balance of this discussion generally assumes that the characterization described above is respected for U.S. federal income tax purposes.

Allocation of Purchase Price

For U.S. federal income tax purposes, each share of our common stock and the associated common warrant and each pre-funded warrant and the associated common warrant should be treated

for U.S. federal income tax purposes as an investment unit consisting of one share of common stock and the associated common warrant and one pre-funded warrant and the associated common warrant. Each holder must allocate the purchase price of such unit between each share of common stock or pre-funded warrant, as applicable, and the common warrant based on the relative fair market value of each at the time of issuance. The price allocated to each share of common stock and pre-funded warrant and common warrant generally will be the holder's tax basis in such share or warrant, as the case may be.

Tax Consequences to U.S. Holders

Distributions on Common Stock

As discussed above under "Dividend Policy," we do not currently expect to make distributions on our common stock. In the event that we do make distributions of cash or other property, distributions paid on common stock, other than certain pro rata distributions of common stock, will be treated as a dividend to the extent paid out of our current or accumulated earnings and profits and will be includible in income by the U.S. Holder and taxable as ordinary income when received. If a distribution exceeds our current and accumulated earnings and profits, the excess will be first treated as a tax-free return of the U.S. Holder's investment, up to the U.S. Holder's tax basis in the common stock. Any remaining excess will be treated as a capital gain. Subject to applicable limitations, dividends paid to certain non-corporate U.S. Holders may be eligible for taxation as "qualified dividend income" and therefore may be taxable at rates applicable to long-term capital gains. U.S. Holders should consult their tax advisers regarding the availability of the reduced tax rate on dividends in their particular circumstances. Dividends received by a corporate U.S. Holder will be eligible for the dividends-received deduction if the U.S. Holder meets certain holding period and other applicable requirements.

Constructive Dividends on Common Warrants

If we were to pay a taxable dividend to our shareholders and, in accordance with the anti-dilution provisions of the common warrants, the exercise price of the common warrants were decreased, that decrease would be deemed to be the payment of a taxable dividend to a U.S. Holder of the common warrants to the extent of our current or accumulated earnings and profits, notwithstanding the fact that the U.S. Holder will not receive a cash payment. If the exercise price is adjusted in certain other circumstances (or in certain circumstances, there is a failure to make adjustments), that adjustment may also result in the deemed payment of a taxable dividend to a U.S. Holder. U.S. Holders should consult their tax advisers regarding the proper treatment of any adjustments to the common warrants.

Sale or Other Disposition of Common Stock

For U.S. federal income tax purposes, gain or loss realized on the sale or other disposition of common stock will be capital gain or loss, and will be long-term capital gain or loss if the U.S. Holder held the common stock for more than one year. The amount of the gain or loss will equal the difference between the U.S. Holder's tax basis in the common stock disposed of and the amount realized on the disposition. Long-term capital gains recognized by non-corporate U.S. Holders will be subject to reduced tax rates. The deductibility of capital losses is subject to limitations.

Sale or Other Disposition, Exercise or Expiration of Common Warrants

For U.S. federal income tax purposes, gain or loss realized on the sale or other disposition of a common warrant (other than by exercise) will be capital gain or loss and will be long-term capital gain or loss if the U.S. Holder held the warrant for more than one year at the time of the sale or other disposition. The amount of the gain or loss will equal the difference between the U.S. Holder's tax basis in the common warrant disposed of and the amount realized on the disposition.

In general, a U.S. Holder will not be required to recognize income, gain or loss upon the exercise of a common warrant by payment of the exercise price, except to the extent of cash paid in lieu of a fractional share. A U.S. Holder's tax basis in a share of common stock received upon exercise will be equal to the sum of (1) the U.S. Holder's tax basis in the common warrant and (2) the exercise price of the common warrant. A U.S. Holder's holding period in the stock received upon exercise will commence on the day or the day after such U.S. Holder exercises the common warrant. No discussion is provided herein regarding the U.S. federal income tax treatment on the exercise of a common warrant on a cashless basis, and U.S. Holders are urged to consult their tax advisors as to the exercise of a common warrant on a cashless basis.

If a common warrant expires without being exercised, a U.S. Holder will recognize a capital loss in an amount equal to such U.S. Holder's tax basis in the common warrant. This loss will be long-term capital loss if, at the time of the expiration, the U.S. Holder's holding period in the common warrant is more than one year. The deductibility of capital losses is subject to limitations.

Tax Consequences to Non-U.S. Holders

Distributions

As discussed in the section titled "Dividend Policy," we do not anticipate paying any dividends on our common stock in the foreseeable future. If we make distributions on our common stock or constructive dividends on our common warrants (as described above under "Constructive Dividends on Common Warrants"), those payments will constitute dividends for U.S. federal income tax purposes to the extent we have current or accumulated earnings and profits, as determined under U.S. federal income tax principles. To the extent those distributions exceed both our current and our accumulated earnings and profits, they will constitute a return of capital and will first reduce a Non-U.S. Holder's basis in our common stock or common warrants, as applicable, but not below zero. Any excess will be treated as capital gain and will be treated as described below under the "—Gain on Sale or Other Disposition of Common Stock or Common Warrants" section. Any such distributions would be subject to the discussions below regarding back-up withholding and Foreign Account Tax Compliance Act, or FATCA.

Subject to the discussion below on effectively connected income, any dividend paid to a Non-U.S. Holder generally will be subject to U.S. withholding tax either at a rate of 30% of the gross amount of the dividend or such lower rate as may be specified by an applicable income tax treaty. To receive a reduced treaty rate, a Non-U.S. Holder must provide us or our agent with an IRS Form W-8BEN (generally including a U.S. taxpayer identification number), IRS Form W-8BEN-E or another appropriate version of IRS Form W-8 (or a successor form), which must be updated periodically, and which, in each case, must certify qualification for the reduced rate. Non-U.S. Holders should consult their tax advisors regarding their entitlement to benefits under any applicable income tax treaty.

Dividends paid to a Non-U.S. Holder that are effectively connected with the Non-U.S. Holder's conduct of a trade or business within the United States and that are not eligible for relief from U.S. (net basis) income tax under an applicable income tax treaty, generally are exempt from the (gross basis) withholding tax described above. To obtain this exemption from withholding tax, the Non-U.S. Holder must provide the applicable withholding agent with an IRS Form W-8ECI or successor form or other applicable IRS Form W-8 certifying that the dividends are effectively connected with the Non-U.S. Holder's conduct of a trade or business within the United States. Such effectively connected dividends, if not eligible for relief under a tax treaty, would not be subject to a withholding tax, but would be taxed at the same graduated rates applicable to U.S. persons, net of certain deductions and credits and if, in addition, the Non-U.S. Holder is a corporation, may also be subject to a branch profits tax at a rate of 30% (or such lower rate as may be specified by an applicable income tax treaty).

