

Kindred Biosciences, Inc.
Form 424B5
July 12, 2017
Filed Pursuant to Rule 424(b)(5)
Registration No. 333-201553

PROSPECTUS SUPPLEMENT
(To Prospectus dated January 30, 2015)

3,000,000 Shares
KINDRED BIOSCIENCES, INC.
Common Stock

We are offering 3,000,000 shares of our common stock. Our common stock is listed on The NASDAQ Capital Market under the symbol "KIN." On July 11, 2017, the last reported sale price of our common stock was \$7.85 per share.

We are an "emerging growth company" as defined by the Jumpstart Our Business Startups Act of 2012 and, as such, we have elected to comply with certain reduced public company reporting requirements for this prospectus supplement, the accompanying prospectus and future filings.

Investing in our common stock involves a high degree of risk. Please read "Risk Factors" beginning on page S-9 of this prospectus supplement and in the documents incorporated by reference into this prospectus supplement.

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

	Per Share	Total
Public offering price	\$ 7.50	\$22,500,000
Underwriting discounts and commissions ⁽¹⁾	\$ 0.45	\$ 1,350,000
Proceeds to us before expenses	\$ 7.05	\$21,150,000

(1) We have agreed to reimburse the underwriters for certain expenses. See "Underwriting."

We have granted the underwriters an option for a period of 30 days from the date of this prospectus supplement to purchase up to an additional 450,000 shares of our common stock. If the underwriters exercise their option in full, the total underwriting discounts and commissions payable by us will be \$1,552,500, and the total proceeds to us, before expenses, will be \$24,322,500.

Delivery of the shares of common stock is expected to be made on or about July 17, 2017.

Sole Book-Running Manager

Ladenburg Thalmann

Lead Manager

Aegis Capital Corp.

The date of this prospectus supplement is July 12, 2017.

TABLE OF CONTENTS

PROSPECTUS SUPPLEMENT

Page

<u>ABOUT THIS PROSPECTUS SUPPLEMENT</u>	<u>S-1</u>
<u>SPECIAL NOTE REGARDING FORWARD-LOOKING STATEMENTS</u>	<u>S-2</u>
<u>PROSPECTUS SUPPLEMENT SUMMARY</u>	<u>S-5</u>
<u>RISK FACTORS</u>	<u>S-9</u>
<u>USE OF PROCEEDS</u>	<u>S-11</u>
<u>PRICE RANGE OF OUR COMMON STOCK</u>	<u>S-12</u>
<u>DIVIDEND POLICY</u>	<u>S-12</u>
<u>CAPITALIZATION</u>	<u>S-13</u>
<u>DILUTION</u>	<u>S-14</u>
<u>UNDERWRITING</u>	<u>S-15</u>
<u>LEGAL MATTERS</u>	<u>S-18</u>
<u>EXPERTS</u>	<u>S-18</u>
<u>WHERE YOU CAN FIND MORE INFORMATION</u>	<u>S-18</u>
<u>INCORPORATION OF CERTAIN INFORMATION BY REFERENCE</u>	<u>S-18</u>

PROSPECTUS

Page

<u>ABOUT THIS PROSPECTUS</u>	<u>1</u>
<u>WHERE YOU CAN FIND MORE INFORMATION; INCORPORATION BY REFERENCE</u>	<u>1</u>
<u>THE COMPANY</u>	<u>3</u>
<u>RISK FACTORS</u>	<u>3</u>
<u>SPECIAL NOTE REGARDING FORWARD-LOOKING STATEMENTS</u>	<u>3</u>
<u>USE OF PROCEEDS</u>	<u>4</u>
<u>RATIO OF EARNINGS TO FIXED CHARGES</u>	<u>4</u>
<u>DESCRIPTION OF CAPITAL STOCK</u>	<u>5</u>
<u>DESCRIPTION OF WARRANTS</u>	<u>7</u>
<u>DESCRIPTION OF UNITS</u>	<u>8</u>
<u>PLAN OF DISTRIBUTION</u>	<u>9</u>
<u>LEGAL MATTERS</u>	<u>10</u>
<u>EXPERTS</u>	<u>11</u>

ABOUT THIS PROSPECTUS SUPPLEMENT

This prospectus supplement and the accompanying prospectus relate to the offering of our common stock. Before purchasing any of the common stock that we are offering, you should carefully read this prospectus supplement and the accompanying prospectus, together with the information incorporated by reference into this prospectus supplement and the accompanying prospectus as described under the headings “Where You Can Find More Information” and “Incorporation of Certain Information by Reference” on page S-18. These documents contain important information that you should consider when making your investment decision.

This prospectus supplement and the accompanying prospectus form part of a registration statement on Form S-3 that we filed with the SEC using a “shelf” registration process. This document contains two parts. The first part consists of this prospectus supplement, which provides you with specific information about this offering. The second part, the accompanying prospectus, provides more general information, some of which may not apply to this offering.

Generally, when we refer only to the “prospectus,” we are referring to both parts combined.

This prospectus supplement may add, update, or change information contained in the accompanying prospectus. To the extent that any statement we make in this prospectus supplement is inconsistent with statements made in the accompanying prospectus or any documents incorporated by reference into this prospectus supplement or the accompanying prospectus, the statements made in this prospectus supplement will be deemed to modify or supersede those made in the accompanying prospectus and such documents incorporated by reference herein and therein. If any statement in this prospectus supplement or the accompanying prospectus is inconsistent with a statement in another document having a later date, for example, a document incorporated by reference into this prospectus supplement, the statement in the document having the later date will be deemed to modify or supersede the earlier statement.

Unless the context otherwise requires, the terms “KindredBio,” “Kindred,” “the Company,” “our company,” “we,” “us,” and “our” refer to Kindred Biosciences, Inc., a Delaware corporation, including, where appropriate, our wholly owned subsidiary, KindredBio Equine, Inc. When we refer to “you,” we mean the purchaser or potential purchaser of the shares of common stock offered by this prospectus supplement and the accompanying prospectus.

You should rely only on the information contained in or incorporated by reference into this prospectus supplement, the accompanying prospectus and any free writing prospectus that we may authorize for use in connection with this offering. Neither we nor any of the underwriters have authorized anyone to provide you with different information. If anyone provides you with different or inconsistent information, you should not rely on it. Neither we nor any of the underwriters are offering to sell, or seeking offers to buy, our common stock in any jurisdiction where the offer or sale is not permitted. The distribution of this prospectus supplement and the offering of our common stock in certain jurisdictions may be restricted by law. Persons outside the United States who come into possession of this prospectus supplement must inform themselves about, and observe any restrictions relating to, the offering of our common stock and the distribution of this prospectus supplement outside the United States. This prospectus supplement does not constitute, and may not be used in connection with, an offer to sell, or a solicitation of an offer to buy, any common stock offered by this prospectus supplement by any person in any jurisdiction in which it is unlawful for such person to make such an offer or solicitation.

You should assume that the information appearing in this prospectus supplement, the accompanying prospectus, the documents incorporated by reference into this prospectus supplement and the accompanying prospectus and any free writing prospectus that we may authorize for use in connection with this offering is accurate only as of the date of those respective documents. Our business, financial condition, results of operations and prospects may have changed since those dates.

This prospectus supplement, the accompanying prospectus and the documents incorporated by reference into this prospectus supplement and the accompanying prospectus contain summaries of certain provisions contained in some of the documents described herein and therein, but reference is made to the actual documents for complete information. All of the summaries are qualified in their entirety by the actual documents. Copies of some of such

documents have been or will be filed as exhibits to the registration statement of which this prospectus supplement and the accompanying prospectus are a part or as exhibits to documents incorporated by reference herein or therein, and you may obtain copies of those documents as described below under the headings “Where You Can Find More Information” and “Incorporation of Certain Information by Reference” on page S-18. We further note that the representations, warranties and covenants made by us in any agreement that is filed as an exhibit to any document that is incorporated by reference into this prospectus supplement or the accompanying prospectus were made solely for the benefit of the parties to such agreement, including, in some cases, for the purpose of allocating risk among the parties to the agreement, and should not be deemed to be a representation, warranty or covenant to you.

Unless otherwise indicated, information contained in this prospectus supplement, the accompanying prospectus, the documents incorporated by reference into this prospectus supplement and the accompanying prospectus and any free writing prospectus that we may authorize for use in connection with this offering concerning our industry and the markets in which we operate, including our general expectations and market opportunity, is based on information from our own management estimates and research, as well as from industry and general publications and research, surveys and studies conducted by third parties. Management estimates are derived from publicly available information, our knowledge of our industry and assumptions based on such information and knowledge. We believe such estimates to be reasonable, but we have not independently verified the accuracy of information obtained from third parties. In addition, assumptions and estimates of our and our industry’s future performance are necessarily subject to a high degree of uncertainty and risk due to a variety of factors, including those described in “Risk Factors” in this prospectus supplement on page S-9, in the accompanying prospectus and in our Annual Report on Form 10-K for the fiscal year ended December 31, 2016 which is incorporated by reference into this prospectus supplement and the accompanying prospectus. These and other important factors could cause our future performance to differ materially from our assumptions and estimates. See “Special Note Regarding Forward-Looking Statements” below.

“Kindred Biosciences,” “KindredBio” and “Best Medicines for Our Best Friends” are three of our trademarks that are used in this prospectus supplement, the accompanying prospectus and the documents incorporated by reference into this prospectus and the accompanying prospectus. This prospectus supplement, the accompanying prospectus and the documents incorporated by reference also include trademarks, tradenames and service marks that are the property of other organizations. Solely for convenience, trademarks and tradenames referred to in this prospectus supplement, the accompanying prospectus and the documents incorporated by reference sometimes appear without the ® and ™ symbols, but those references are not intended to indicate, in any way, that we will not assert, to the fullest extent under applicable law, our rights, or that the applicable owner will not assert its rights, to these trademarks and tradenames.

SPECIAL NOTE REGARDING FORWARD-LOOKING STATEMENTS

This prospectus supplement, the accompanying prospectus, the documents incorporated by reference into this prospectus supplement and the accompanying prospectus and any free writing prospectus that we may authorize for use in connection with this offering contain forward-looking statements within the meaning of the Private Securities Litigation Reform Act of 1995, Section 27A of the Securities Act of 1933, as amended, or the Securities Act, and Section 21E of the Exchange Act of 1934, as amended, or the Exchange Act. All statements other than statements of historical fact contained in or incorporated by reference into this prospectus supplement, the accompanying prospectus and any free writing prospectus that we may authorize for use in connection with this offering, including statements regarding our expectations about the trials, regulatory approval, manufacturing, distribution and commercialization of our current and future product candidates and statements regarding our anticipated revenues, expenses, margins, profits, use of cash, financial position, business strategy and plans and objectives for future operations, are forward-looking statements. In many cases, you can identify forward-looking statements by terms such as “may,” “should,” “expects,” “plans,” “anticipates,” “could,” “intends,” “target,” “projects,” “contemplates,” “believes,” “estimates,” “potential” or “continue” or the negative of these terms or other similar expressions. These forward-looking statements are based on our current expectations. These statements are not promises or guarantees, but involve known and unknown risks, uncertainties and other important factors that may

cause our actual results to be materially different from any future results expressed or implied by the forward-looking statements, and you are cautioned not to place undue reliance on these forward-looking statements.

These risks and uncertainties include, but are not limited to, the following:

- our limited operating history and expectations of losses for the foreseeable future;
- the absence of significant revenue from our product candidates for the foreseeable future;
- our potential inability to obtain any necessary additional financing;
- our substantial dependence on the success of our lead product candidates, which may not be successfully commercialized even if they are approved for marketing;
- the effect of competition;
- our potential inability to obtain regulatory approval for our existing or future product candidates;
- our dependence on third parties to conduct some of our development activities;
- our dependence upon third-party manufacturers for supplies of our product candidates;
- uncertainties regarding the outcomes of trials pertaining to our product candidates;
- our potential failure to attract and retain senior management and key scientific personnel;
- uncertainty about our ability to develop a satisfactory sales organization;
- our significant costs of operating as a public company;
- our potential inability to obtain patent protection and other intellectual property protection for our product candidates;
- potential claims by third parties alleging our infringement of their patents and other intellectual property rights;
- our potential failure to comply with regulatory requirements, which are subject to change on an ongoing basis;
- the potential volatility of our stock price; and
- the significant control over our business by our principal stockholders and management.

For a further description of these risks and uncertainties and other risks and uncertainties that we face, please see the “Risk Factors” sections that are contained in this prospectus supplement on page S-9, in the accompanying prospectus and in our filings with the SEC that are incorporated by reference into this prospectus supplement and the accompanying prospectus, including, without limitation, the “Risk Factors” section of our most recently filed Annual Report on Form 10-K.

Each forward-looking statement is based on information available to us as of the date of the document in which the forward-looking statement is contained. We undertake no obligation to publicly update or revise any forward-looking statement, whether as a result of new information, future events or otherwise, except as otherwise required by law.

All forward-looking statements that are made by us in this prospectus supplement, in the accompanying prospectus, in the documents incorporated by reference into this prospectus supplement and the accompanying prospectus and in any free writing prospectus that we may authorize for use in connection with this offering are qualified by these cautionary statements.

S-4

PROSPECTUS SUPPLEMENT SUMMARY

The following summary highlights selected information about us, this offering and information contained elsewhere in or incorporated by reference into this prospectus supplement or the accompanying prospectus. This summary does not contain all of the information that may be important to you. Before purchasing any of the common stock that we are offering, you should carefully read in their entirety this prospectus supplement and the accompanying prospectus, including the documents incorporated by reference into this prospectus supplement and the accompanying prospectus, and any free writing prospectus that we may authorize for use in this offering. In particular, you should carefully review the “Risk Factors” sections that are contained in this prospectus supplement on page S-9, in the accompanying prospectus and in our filings with the SEC that are incorporated by reference into this prospectus supplement and the accompanying prospectus, including, without limitation, the “Risk Factors” section of our most recently filed Annual Report on Form 10-K.

Our Company

We are a pre-commercialization biopharmaceutical company focused on saving and improving the lives of pets. Our mission is to bring to our pets the same kinds of safe and effective medicines that our human family members enjoy. Our core strategy is to identify compounds and targets that have already demonstrated safety and efficacy in humans and to develop therapeutics based on these validated compounds and targets for pets, primarily dogs, cats and horses. We believe this approach will lead to shorter development times and higher approval rates than pursuing new, non-validated compounds and targets. We have submitted all major technical sections of the New Animal Drug Application, or the NADA, to the Food and Drug Administration, or the FDA, for Zimeta and we, as further discussed below, anticipate that it will be approved in 2017. We have also submitted the NADA to the FDA for Mirataz, and we, as further discussed below, anticipate that it will be approved in 2017. In addition, we have multiple other product candidates, including several biologics, in various stages of development. We believe there are significant unmet medical needs for pets, and that the pet therapeutics segment of the animal health industry is likely to grow substantially as new therapeutics are identified, developed and marketed specifically for pets.

Since the announcement of positive top line results from our pivotal trial of the IV form of Zimeta (dipyron injection) for the control of pyrexia (fever) in horses, we have received the technical section complete letter for effectiveness from the FDA and responded to comments from the FDA regarding the Chemistry, Manufacturing and Controls, or the CMC, and safety technical section. We anticipate the approval of Zimeta in 2017 and launch shortly thereafter, assuming that the FDA finds our responses acceptable. Although regulatory approval is expected, such approval remains subject to the typical risks inherent in this process. We have initiated pre-launch activities including build-out of a small commercial team, preparations for distribution and commercial scale-up and manufacturing.

We have also completed our formulation development of the oral gel form of Zimeta for the treatment of fever in horses. All clinical sites have been initiated for the pivotal effectiveness trial for the oral form of Zimeta (dipyron oral gel) and patient enrollment has begun. The target animal safety study of Zimeta has commenced. The oral gel form of dipyron is expected to be an additional valuable tool for equine veterinarians to provide horse owners with an easy-to-administer fever reducing agent for the horse.

We announced positive topline results in May 2016 upon the successful completion of a pharmacokinetic study and a randomized, placebo-controlled pivotal study of Mirataz (mirtazapine transdermal ointment), formerly known as KIND-010, for the management of weight loss in cats. We have received the technical section complete letter for effectiveness from the FDA, and the NADA has been filed. Based on the feedback from the FDA to date, we anticipate the approval of Mirataz in the second half of 2017, assuming the FDA finds the submissions acceptable, and the launch of the drug shortly after approval. Although regulatory approval is expected, such approval remains subject to the typical risks inherent in this process.

We are currently developing KIND-014 for the treatment of equine gastric ulcers in horses, KIND-015 for the management of clinical signs associated with equine metabolic syndrome, epoCat™ (feline recombinant

erythropoietin) for the control of non-regenerative anemia in cats, anti-IL31 antibody for atopic dermatitis in dogs, anti-IL4/IL13 molecule for atopic dermatitis in dogs, and KIND-011, an anti-TNF monoclonal antibody targeting sick or septic foals. We expect to continue pilot field efficacy studies for the four product candidates in 2017. In addition, we are also developing multiple other products, including canine checkpoint inhibitors. In all, we have over 20 programs for various indications for dogs, cats, and horses.

In addition to the product candidates discussed above, we are in the early stages of development for multiple additional indications, including several biologics, with the potential to attain approval for one or more products annually for several years. We plan to commercialize our products in the United States through a direct sales force complemented by selected distributor relationships, and in the European Union through distributors and other third parties. We currently have six provisional and one non-provisional patent applications in the United States and three Patent Cooperation Treaty applications. However, because we seek to identify product candidates that are not protected by third-party patents, we typically do not need to obtain licenses or make any upfront, milestone or royalty payments in connection with our product candidates.

We have constructed a Good Manufacturing Practice, or GMP, biologics manufacturing plant and it is currently undergoing commissioning, allowing us to proceed to GMP manufacturing of our feline erythropoietin product candidate in the second half of 2017. We also recently entered into an agreement to purchase a 180,000 square foot manufacturing facility in Kansas.

Rights Agreement

Our board of directors adopted a Rights Agreement, dated May 19, 2017, between us and American Stock Transfer & Trust Co., as Rights Agent. A series of our preferred stock, designated as Series A Preferred Stock, par value \$0.0001 per share, was created in accordance with the Rights Agreement. The Rights Agreement is designed to deter coercive takeover tactics, including the accumulation of shares in the open market or through private transactions, and to prevent an acquirer from gaining control of our company without offering a fair and adequate price and terms to all of our stockholders. As such, the Rights Agreement is intended to enhance our board of directors' ability to protect stockholder interests and help to assure that stockholders receive fair and equal treatment in the event any proposed takeover of our company is made in the future. Pursuant to the Rights Agreement, our board of directors declared a dividend distribution of one preferred stock purchase right for each outstanding share of our common stock. The preferred stock purchase rights are attached to, and trade with, our common stock. The purchase rights are exercisable only upon the occurrence of certain triggering events described in the Rights Agreement. The purchase rights will expire on May 18, 2020, unless such expiration date is extended by our board of directors or the rights are earlier redeemed or exchanged by us, as provided for in the Rights Agreement. In addition, we will seek stockholder approval of the Rights Agreement at the annual meeting of our stockholders to be held on July 24, 2017. If our stockholders' approval of the Rights Agreement is not obtained at that meeting (or any adjournment thereof), the purchase rights will expire.

Recent Developments

On June 22, 2017, we completed the sale of shares of common stock with an aggregate offering price of \$30,000,000 pursuant to the At Market Issuance Sales Agreement (the "Sales Agreement") dated as of December 19, 2016 by and between us and FBR Capital Markets & Co. ("FBR") pursuant to which we offered and sold shares of our common stock from time to time through FBR, acting as the Company's distribution agent. During the period from April 1, 2017 through June 22, 2017, we sold 1,511,381 shares through FBR pursuant to the Sales Agreement and received approximately \$10,653,639 in gross proceeds. Net proceeds after deducting approximately \$323,866 in commissions were approximately \$10,329,773. We have summarized sales of shares pursuant to the Sales Agreement during the period prior to April 1, 2017 in our most recent Annual Report on Form 10-K and Quarterly Report on Form 10-Q previously filed with the SEC and incorporated herein by reference.

Corporate Information

We were incorporated on September 25, 2012. Our principal executive offices are located at 1555 Bayshore Highway, Suite 200, Burlingame, California 94010, and our telephone number is (650) 701-7901. Our website address is www.kindredbio.com. The information contained on, or accessible through, our website is not incorporated by reference into this prospectus supplement or the accompanying prospectus, and you should not consider it to be a part of this prospectus supplement or the accompanying prospectus. Our website address is included as an inactive textual reference only.

Implications of Being an Emerging Growth Company

We are an “emerging growth company,” as defined in the Jumpstart Our Business Startups Act of 2012, or the JOBS Act. An emerging growth company may take advantage of relief from certain reporting requirements and other burdens that are otherwise generally applicable to public companies. These provisions include:

- only two years of audited financial statements, in addition to any required unaudited interim financial statements, with correspondingly reduced “Management’s Discussion and Analysis of Financial Condition and Results of Operations” disclosure;

- an exemption from the auditor attestation requirement on the effectiveness of our internal control over financial reporting;

- reduced disclosure about our executive compensation arrangements; and

- no requirements for non-binding advisory votes on executive compensation or golden parachute arrangements.

We may take advantage of these provisions for up to five years from the date of our initial public offering in December 2013 or such earlier time that we no longer qualify as an emerging growth company. We would cease to be an emerging growth company if we have more than \$1.0 billion in annual revenue, have more than \$700 million in market value of our capital stock held by non-affiliates or issue more than \$1.0 billion of non-convertible debt over a three-year period. We may choose to take advantage of some but not all of these reduced reporting requirements and other burdens. We have taken advantage of some reduced reporting burdens in this prospectus supplement, the accompanying prospectus and the documents incorporated by reference herein and therein. Accordingly, the information that we provide stockholders may be different than you might obtain from other public companies in which you hold equity interests.

THE OFFERING

Common stock offered by us 3,000,000 shares

Offering Price \$7.50

Common stock to be outstanding immediately after this offering 27,690,609 shares (or 28,140,609 shares if the underwriters exercise in full their option to purchase additional shares)

Underwriters' Option We have granted the underwriters an option to purchase up to 450,000 additional shares of our common stock. This option is exercisable, in whole or in part, for a period of 30 days from the date of this prospectus supplement.

Use of Proceeds We intend to use the net proceeds of this offering for the expansion of our commercial infrastructure in anticipation of future product approvals and launches, for expansion of our manufacturing capacity, the development of our therapeutic candidates, and for other general corporate and working capital purposes. See "Use of Proceeds" on page S-11 of this prospectus supplement.

Risk Factors Investing in our common stock involves a high degree of risk. Before investing in our common stock, please read the "Risk Factors" section on page S-9 of this prospectus supplement and the corresponding sections in the accompanying prospectus and in our Annual Report on Form 10-K for the year ended December 31, 2016, as well as our subsequent filings with the SEC, which are incorporated herein by reference.

NASDAQ Symbol "KIN."

The number of shares of our common stock to be outstanding after this offering as set forth above is based on 23,179,228 shares of our common stock outstanding as of March 31, 2017 and includes 1,511,381 shares of our common stock issued between April 1, 2017 and June 22, 2017 pursuant to the At Market Issuance Sales Agreement, but excludes:

4,458,279 shares of common stock issuable upon exercise of stock options outstanding as of March 31, 2017, at a weighted average exercise price of \$6.39 per share; and

1,756,950 shares of common stock reserved for issuance under our 2016 equity incentive plan as of March 31, 2017.

Unless otherwise indicated, this prospectus supplement reflects and assumes the following:

no exercise of the outstanding options described above and no other stock awards made under our plan; and

no exercise by the underwriters of their option to purchase additional shares of our common stock.

RISK FACTORS

An investment in our common stock involves a high degree of risk. Before purchasing any of the common stock that we are offering, you should carefully read in their entirety this prospectus supplement and the accompanying prospectus, including the documents incorporated by reference into this prospectus supplement and the accompanying prospectus, and any free writing prospectus that we may authorize for use in this offering. In particular, you should carefully review the risks described below and in the “Risk Factors” sections that are contained in the accompanying prospectus and in our filings with the SEC that are incorporated by reference into this prospectus supplement and the accompanying prospectus, including, without limitation, the “Risk Factors” sections of our most recently filed Annual Report on Form 10-K and in any free writing prospectus that we have authorized for use in connection with this offering. If any of these risks actually occurs, our business, financial condition, results of operations, or cash flow could be materially and adversely affected. This could cause the market price of our common stock to decline, resulting in a loss of all or part of your investment.

Risks Related to This Offering

We have broad discretion in the use of the net proceeds of this offering and may not use them effectively.

We intend to use the net proceeds of this offering for the expansion of our commercial infrastructure in anticipation of future product approvals and launches, for expansion of our manufacturing capacity, the development of our therapeutic candidates, and for other general corporate and working capital purposes. We may also use a portion of the net proceeds of this offering to acquire other products or businesses, although we are not currently a party to an agreement regarding any such acquisition. However, our management will have broad discretion in the application of the net proceeds from this offering and will have the right to use the net proceeds for purposes that differ substantially from our current plans. Management may spend the net proceeds in ways that do not improve our results of operations or enhance the value of our common stock. The failure by management to apply these funds effectively could result in financial losses that could have a material and adverse effect on our business and cause the price of our common stock to decline.

You will experience immediate and substantial dilution in the net tangible book value of your shares.

The public offering price of our common stock is substantially higher than the net tangible book value per share of our outstanding common stock before giving effect to this offering. Accordingly, if you purchase our common stock in this offering, you will incur immediate substantial dilution of approximately \$3.98 per share, representing the difference between the public offering price and our as adjusted net tangible book value as of March 31, 2017.

Furthermore, if outstanding options are exercised, you could experience further dilution. For a further description of the dilution that you will experience immediately after this offering, see the section in this prospectus supplement entitled “Dilution.”

You may experience future dilution as a result of future equity offerings.

In order to raise additional capital, we may in the future offer additional shares of our common stock or other securities convertible into or exchangeable for our common stock at prices that may not be the same as the public offering price of our common stock in this offering. The price per share at which we sell additional shares of our common stock, or securities convertible or exchangeable into common stock, in future transactions may be lower than the public offering price per share in this offering.

A substantial number of shares of common stock may be sold in the market following this offering, which may depress the market price for our common stock.

Sales of a substantial number of shares of our common stock in the public market following this offering could cause the market price of our common stock to decline. A substantial majority of the outstanding shares of our common stock are, and the shares of common stock sold in this offering upon issuance will be, freely tradable without restriction or further registration under the Securities Act.

The Rights Agreement may deter or adversely affect an attempt to acquire us or otherwise prevent a change in control. The intent of the Rights Agreement is to protect our stockholders' interests by encouraging anyone seeking control of our company to negotiate with our board of directors. However, the Rights Agreement could make it more difficult for a third party to acquire us without the consent of our board of directors, even if doing so may be beneficial to our stockholders. This plan may discourage, delay or prevent a tender offer or takeover attempt, including offers or attempts that could result in a premium over the market price of our common stock. This plan could reduce the price that stockholders might be willing to pay for shares of our common stock in the future. Furthermore, the anti-takeover provisions of the Rights Agreement may entrench management and make it more difficult to replace management even if the stockholders consider it beneficial to do so.

Any delay or prevention of a change of control transaction or changes in our board of directors or management could deter potential acquirors or prevent the completion of a transaction in which our stockholders could receive a substantial premium over the then current market price for their shares.

S-10

USE OF PROCEEDS

We estimate that the net proceeds from this offering, after deducting the underwriting discounts and commissions and estimated offering expenses payable by us, will be approximately \$21.0 million, or approximately \$24.2 million if the underwriters exercise their option to purchase additional shares in full. We intend to use the net proceeds of this offering for the expansion of our commercial infrastructure in anticipation of future product approvals and launches, for expansion of our manufacturing capacity, the development of our therapeutic candidates, and for other general corporate and working capital purposes. We may also use a portion of the net proceeds of this offering to acquire other products or businesses, although we are not currently a party to an agreement regarding any such acquisition.

We have not determined the amounts we plan to spend in any of the areas identified above or the timing of these expenditures. As a result, our management will have broad discretion to allocate the net proceeds to us from this offering, and investors will be relying on the judgment of our management regarding the application of the proceeds from this offering. We reserve the right to change the use of these proceeds as a result of certain contingencies such as competitive developments, the results of our commercialization efforts, acquisition and investment opportunities and other factors. Pending use of the proceeds as described above, we intend to invest the net proceeds of this offering in short-term, interest-bearing, investment-grade securities or certificates of deposit.

S-11

PRICE RANGE OF OUR COMMON STOCK

Since December 12, 2013, our common stock has been traded on The NASDAQ Capital Market under the symbol “KIN.” Prior to December 12, 2013, there was no public trading market for our common stock. The following table sets forth the high and low sale prices for our common stock for the periods indicated as reported on The NASDAQ Capital Market.

	High	Low
Fiscal Year Ending December 31, 2017		
First Quarter	\$7.45	\$4.35
Second Quarter	\$9.65	\$6.50
Third Quarter (through July 11, 2017)	\$8.95	\$7.80
Fiscal Year Ended December 31, 2016		
First Quarter	\$ 4.13	\$ 2.90
Second Quarter	\$ 4.29	\$ 3.12
Third Quarter	\$ 5.43	\$ 3.53
Fourth Quarter	\$ 5.65	\$ 3.90
Fiscal Year Ended December 31, 2015		
First Quarter	\$ 7.88	\$ 6.12
Second Quarter	\$ 7.91	\$ 6.15
Third Quarter	\$ 7.35	\$ 4.18
Fourth Quarter	\$ 6.38	\$ 3.15

On July 11, 2017, the last reported sale price of our common stock on The NASDAQ Capital Market was \$7.85. As of July 11, 2017, there were 24,813,229 shares of our common stock outstanding held by approximately 26 holders of record. The actual number of stockholders is greater than this number of record holders and includes stockholders who are beneficial owners but whose shares are held in street name by brokers and other nominees.

DIVIDEND POLICY

We have never declared or paid any cash dividends on our common stock. We intend to retain any future earnings and do not expect to pay any dividends in the foreseeable future. Any future determination to declare cash dividends will be made at the discretion of our board of directors, subject to applicable laws, and will depend on a number of factors, including our financial condition, results of operations, capital requirements, contractual restrictions, general business conditions and other factors that our board of directors may deem relevant.

CAPITALIZATION

The following table describes our capitalization as of March 31, 2017:

• on an actual basis; and

• on an as adjusted basis to reflect our issuance and sale of 3,000,000 shares of our common stock in this offering at the public offering price of \$7.50 per share, and after deducting the underwriting discounts and commissions and estimated offering expenses payable by us.

You should read this data in conjunction with our historical financial statements and the related notes incorporated by reference in this prospectus supplement and the sections entitled “Management's Discussion and Analysis of Financial Condition and Results of Operations” contained in our most recently filed Annual Report on Form 10-K and Quarterly Report on Form 10-Q and other information on file with the Securities and Exchange Commission, or the SEC, that is incorporated by reference in this prospectus supplement and the accompanying prospectus.