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**UNITED STATES**  
**SECURITIES AND EXCHANGE COMMISSION**  
WASHINGTON, D.C. 20549

POST-EFFECTIVE AMENDMENT NO. 1 TO FORM S-8 REGISTRATION STATEMENT NO. 333-240083  
POST-EFFECTIVE AMENDMENT NO. 1 TO FORM S-8 REGISTRATION STATEMENT NO. 333-226321  
POST-EFFECTIVE AMENDMENT NO. 1 TO FORM S-8 REGISTRATION STATEMENT NO. 333-211839  
POST-EFFECTIVE AMENDMENT NO. 1 TO FORM S-8 REGISTRATION STATEMENT NO. 333-200687  
POST-EFFECTIVE AMENDMENT NO. 1 TO FORM S-8 REGISTRATION STATEMENT NO. 333-193039

**Kindred Biosciences, Inc.**

(Exact name of issuer as specified in its charter)

Delaware

(State of incorporation)

46-1160142

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

1555 Bayshore Highway, Suite 200

Burlingame, California

(Address of Principal Executive Offices)

94010

((Zip Code))

Kindred Biosciences, Inc. 2018 Equity Incentive Plan, as Amended  
Kindred Biosciences, Inc. 2018 Equity Incentive Plan  
Kindred Biosciences, Inc. 2014 Employee Stock Purchase Plan  
Kindred Biosciences, Inc. 2016 Equity Incentive Plan  
Kindred Biosciences, Inc. 2014 Employee Stock Purchase Plan  
Kindred Biosciences, Inc. 2012 Equity Incentive Plan  
(Full title of plan)

David Pugh

President and Treasurer

Kindred Biosciences, Inc.

1555 Bayshore Highway, Suite 200

Burlingame, California 94010

(650) 701-7901

(Name, address and telephone number of agent for service)

Copy to:

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

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

If an emerging growth company, indicate by check mark if the registrant has elected not to use the extended transition period for complying with any new or revised financial accounting standards provided pursuant to Section 7(a)(2)(B) of the Securities Act.

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## DEREGISTRATION OF COMMON STOCK

This Post-Effective Amendment relates to the following Registration Statements on Form S-8 (collectively, the “Registration Statements”) filed by Kindred BioSciences, Inc., a Delaware corporation (“KindredBio”) with the SEC:

- Registration Statement No. 333-240083, filed on July 24, 2020, relating to the registration of 1,600,000 shares of common stock issuable under the Kindred Biosciences, Inc. 2018 Equity Incentive Plan, as amended;
- Registration Statement No. 333-226321, filed on July 24, 2018, relating to the registration of 3,000,000 shares of common stock issuable under the Kindred Biosciences, Inc. 2018 Equity Incentive Plan and 200,000 shares of common stock issuable under the Kindred Biosciences, Inc. 2014 Employee Stock Purchase Plan;
- Registration Statement No. 333-211839, filed on June 3, 2016, relating to the registration of 3,000,000 shares of common stock issuable under the Kindred Biosciences, Inc. 2016 Equity Incentive Plan;
- Registration Statement No. 333-200687, filed on December 2, 2014, relating to the registration of 200,000 shares of common stock issuable under the Kindred Biosciences, Inc. 2014 Employee Stock Purchase Plan; and
- Registration Statement No. 333-193039, filed on December 23, 2013, relating to the registration of 3,965,775 shares of common stock issuable under the Kindred Biosciences, Inc. 2012 Equity Incentive Plan.

On June 15, 2021, KindredBio entered into an Agreement and Plan of Merger (as amended on June 30, 2021, the “Merger Agreement”) with Elanco Animal Health Incorporated, an Indiana corporation (“Elanco”), and Knight Merger Sub, Inc., a Delaware corporation and wholly owned subsidiary of Elanco (“Merger Sub”). Pursuant to the Merger Agreement, on August 27, 2021, Merger Sub merged with and into KindredBio, with KindredBio surviving the merger as a wholly owned subsidiary of Elanco.

As a result of the consummation of the transactions contemplated by the Merger Agreement, KindredBio has terminated all offerings of its securities pursuant to the Registration Statements. In accordance with the undertakings made by KindredBio in the Registration Statements to remove from registration by means of a post-effective amendment any securities that had been registered for issuance but remain unsold at the termination of the offering, KindredBio hereby removes and withdraws from registration any and all securities registered pursuant to the Registration Statements that remain unsold as of the date hereof.

**SIGNATURES**

Pursuant to the requirements of the Securities Act of 1933, as amended, the Registrant certifies that it has reasonable grounds to believe that it meets all of the requirements for filing on Form S-8 and has duly caused this Post-Effective Amendment to the Registration Statements described above to be signed on its behalf by the undersigned, thereunto duly authorized, in the City of Greenfield, State of Indiana, on the 30th day of August, 2021.

**KINDRED BIOSCIENCES, INC.**

By: /s/ Jinee Majors

Name: Jinee Majors

Title: Secretary

Note: Pursuant to Rule 478 of the Securities Act of 1933, as amended, no other person is required to sign this Post-Effective Amendment to the Registration Statements.