

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

**POST-EFFECTIVE AMENDMENT NO. 1 TO FORM S-3 REGISTRATION STATEMENT NO. 333-252173
UNDER
THE SECURITIES ACT OF 1933**

Kindred Biosciences, Inc.

(Exact Name of Registrant as Specified in Its Charter)

Delaware

(State or Other Jurisdiction of Incorporation)

46-1160142

(I.R.S. Employer Identification Number)

1555 Bayshore Highway, Suite 200
Burlingame, California 94010
(650) 701-7901

(Address, Including Zip Code, and Telephone Number, Including Area Code, of Registrant's Principal Executive Offices)

David Pugh

President and Treasurer

Kindred Biosciences, Inc.

1555 Bayshore Highway, Suite 200
Burlingame, California 94010
(650) 701-7901

(Name, Address, Including Zip Code, and Telephone Number, Including Area Code, of Agent for Service)

Copies to:

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Approximate date of commencement of proposed sale to the public: Not applicable. Removal from registration of securities that were not sold pursuant to the above referenced registration statement.

If the only securities being registered on this Form are being offered pursuant to dividend or interest reinvestment plans, please check the following box.

If any of the securities being registered on this Form are to be offered on a delayed or continuous basis pursuant to Rule 415 under the Securities Act of 1933, other than securities offered only in connection with dividend or interest reinvestment plans, check the following box.

If this Form is filed to register additional securities for an offering pursuant to Rule 462(b) under the Securities Act, please check the following box and list the Securities Act registration statement number of the earlier effective registration statement for the same offering.

If this Form is a post-effective amendment filed pursuant to Rule 462(c) under the Securities Act, check the following box and list the Securities Act registration statement number of the earlier effective registration statement for the same offering.

If this Form is a registration statement pursuant to General Instruction I.D. or a post-effective amendment thereto that shall become effective upon filing with the Commission pursuant to Rule 462(e) under the Securities Act, check the following box.

If this Form is a post-effective amendment to a registration statement filed pursuant to General Instruction I.D. filed to register additional securities or additional classes of securities pursuant to Rule 413(b) under the Securities Act, check the following box.

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.

**EXPLANATORY NOTE
DEREGISTRATION OF SECURITIES**

This Post-Effective Amendment relates to the Registration Statement on Form S-3 (No. 333-252173), filed on January 15, 2021 by Kindred Biosciences, Inc., a Delaware corporation (“KindredBio”) with the Securities and Exchange Commission.

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 Statement and hereby removes and withdraws from registration any and all securities registered pursuant to the Registration Statement that remain unsold as of the date hereof.

SIGNATURES

Pursuant to the requirements of the Securities Act of 1933, as amended, the Registrant has duly caused this Post-Effective Amendment to the Registration Statement 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.

No other person is required to sign this Post-Effective Amendment to the Registration Statement in reliance on Rule 478 of the Securities Act of 1933, as amended.

KINDRED BIOSCIENCES, INC.

By: /s/ Jinee Majors
Name: Jinee Majors
Title: Secretary