

Kindred Biosciences, Inc.
 Form 4
 January 18, 2017

FORM 4

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

OMB APPROVAL

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STATEMENT OF CHANGES IN BENEFICIAL OWNERSHIP OF SECURITIES

Filed pursuant to Section 16(a) of the Securities Exchange Act of 1934, Section 17(a) of the Public Utility Holding Company Act of 1935 or Section 30(h) of the Investment Company Act of 1940

(Print or Type Responses)

1. Name and Address of Reporting Person *
 Park West Asset Management LLC

(Last) (First) (Middle)

900 LARKSPUR LANDING
 CIRCLE, SUITE 165

(Street)

LARKSPUR, CA 94939

(City) (State) (Zip)

2. Issuer Name and Ticker or Trading Symbol
 Kindred Biosciences, Inc. [KIN]

3. Date of Earliest Transaction
 (Month/Day/Year)
 01/13/2017

4. If Amendment, Date Original Filed(Month/Day/Year)

5. Relationship of Reporting Person(s) to Issuer

(Check all applicable)

___ Director ___X___ 10% Owner
 ___ Officer (give title below) ___ Other (specify below)

6. Individual or Joint/Group Filing(Check Applicable Line)
 X Form filed by One Reporting Person
 ___ Form filed by More than One Reporting Person

Table I - Non-Derivative Securities Acquired, Disposed of, or Beneficially Owned

| 1. Title of Security (Instr. 3) | 2. Transaction Date (Month/Day/Year) | 2A. Deemed Execution Date, if any (Month/Day/Year) | 3. Transaction Code (Instr. 8) | 4. Securities Acquired (A) or Disposed of (D) (Instr. 3, 4 and 5) | 5. Amount of Securities Beneficially Owned Following Reported Transaction(s) (Instr. 3 and 4) | 6. Ownership Form: Direct (D) or Indirect (I) (Instr. 4) | 7. Nature of Indirect Ownership (Instr. 4) |
|--|--------------------------------------|--|--------------------------------|---|---|--|--|
| | | | | (A) or (D) | Price | | |
| Common Stock, \$0.0001 par value per share | 01/13/2017 | | P | 1,690,000 | A 6.2 (1) 3,964,138 | I | See Footnotes (2) (3) |

Reminder: Report on a separate line for each class of securities beneficially owned directly or indirectly.

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SEC 1474 (9-02)

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Table II - Derivative Securities Acquired, Disposed of, or Beneficially Owned
(e.g., puts, calls, warrants, options, convertible securities)

| 1. Title of Derivative Security (Instr. 3) | 2. Conversion or Exercise Price of Derivative Security | 3. Transaction Date (Month/Day/Year) | 3A. Deemed Execution Date, if any (Month/Day/Year) | 4. Transaction Code (Instr. 8) | 5. Number of Derivative Securities Acquired (A) or Disposed of (D) (Instr. 3, 4, and 5) | 6. Date Exercisable and Expiration Date (Month/Day/Year) | 7. Title and Amount of Underlying Securities (Instr. 3 and 4) | 8. Price of Derivative Security (Instr. 5) | 9. Number of Derivative Securities Owned Following Transaction (Instr. 5) |
|--|--|--------------------------------------|--|--------------------------------|---|--|---|--|---|
| | | | | Code | V (A) (D) | Date Exercisable | Expiration Date | Title | Amount or Number of Shares |

Reporting Owners

| Reporting Owner Name / Address | Relationships | | | |
|--|---------------|-----------|---------|-------|
| | Director | 10% Owner | Officer | Other |
| Park West Asset Management LLC 900 LARKSPUR LANDING CIRCLE, SUITE 165 LARKSPUR, CA 94939 | | | X | |

Signatures

/s/ Grace Jimenez, Chief Financial Officer of Park West Asset Management LLC
 Date: 01/18/2017
 **Signature of Reporting Person

Explanation of Responses:

- * If the form is filed by more than one reporting person, see Instruction 4(b)(v).
- ** Intentional misstatements or omissions of facts constitute Federal Criminal Violations. See 18 U.S.C. 1001 and 15 U.S.C. 78ff(a).
 - (1) The price reported in Column 4 is a weighted average price. These shares were purchased in multiple transactions at prices ranging from \$5.70 to \$6.25 per share, inclusive. Park West Asset Management LLC (the "Reporting Person") undertakes to provide to Kindred Biosciences, Inc., any security holder of Kindred Biosciences, Inc., or the staff of the Securities and Exchange Commission, upon request, full information regarding the number of shares purchased at each separate price within the ranges set forth herein.
 - (2) The Reporting Person is the investment manager to Park West Investors Master Fund, Limited, a Cayman Islands exempted company ("PWIMF"), and Park West Partners International, Limited, a Cayman Islands exempted company ("PWPI"). Peter S. Park ("Mr. Park") is the sole member and manager of the Reporting Person.
 - (3) As of January 13, 2017, PWIMF held 3,496,892 shares of Common Stock and PWPI held 467,246 shares of Common Stock. Pursuant to Reg. Section 240.16a-1(a)(2), the Reporting Person's and Mr. Park's beneficial ownership is limited to their pecuniary interest, if any, in such securities.

Note: File three copies of this Form, one of which must be manually signed. If space is insufficient, see Instruction 6 for procedure. Potential persons who are to respond to the collection of information contained in this form are not required to respond unless the form displays a currently valid OMB number.