Kindred Biosciences, Inc.

Form 4

January 18, 2017

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

STATEMENT OF CHANGES IN BENEFICIAL OWNERSHIP OF

SECURITIES

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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 may continue. 30(h) of the Investment Company Act of 1940 See Instruction

(Print or Type Responses)

(Last)

1(b).

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

(Middle)

900 LARKSPUR LANDING CIRCLE, SUITE 165

(Street)

(First)

2. Issuer Name and Ticker or Trading Symbol

Kindred Biosciences, Inc. [KIN]

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

01/13/2017

Filed(Month/Day/Year)

4. If Amendment, Date Original

5. Relationship of Reporting Person(s) to Issuer

(Check all applicable)

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

6. Individual or Joint/Group Filing(Check

Applicable Line) _X_ Form filed by One Reporting Person Form filed by More than One Reporting

LARKSPUR, CA 94939

(City) (State) (Zip)

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

1.Title of 2. Transaction Date 2A. Deemed 4. Securities Acquired (A) 5. Amount of 7. Nature of 3. Transactionr Disposed of (D) Ownership Security (Month/Day/Year) Execution Date, if Securities Indirect (Instr. 3) Code (Instr. 3, 4 and 5) Beneficially Form: Beneficial (Month/Day/Year) (Instr. 8) Owned Direct (D) Ownership Following or Indirect (Instr. 4) Reported (I) (A) Transaction(s) (Instr. 4) or (Instr. 3 and 4) (D) Code V Amount Price Common

Stock. \$0.0001

par value per share

01/13/2017

P

1,690,000 A

\$ 6.2 3,964,138

(1)

Ι

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	2.	3. Transaction Date	3A. Deemed	4.	5.	6. Date Exerc	cisable and	7. Title	and	8. Price of	9. Nu
Derivative	Conversion	(Month/Day/Year)	Execution Date, if	Transactio	onNumber	Expiration D	ate	Amoun	t of	Derivative	Deriv
Security	or Exercise		any	Code	of	(Month/Day/	Year)	Underly	ying	Security	Secui
(Instr. 3)	Price of		(Month/Day/Year)	(Instr. 8)	Derivative			Securit	ies	(Instr. 5)	Bene
	Derivative				Securities			(Instr. 3	3 and 4)		Own
	Security				Acquired						Follo
	•				(A) or						Repo
					Disposed						Trans
					of (D)						(Instr
					(Instr. 3,						
					4, and 5)						
									A manuat		
									Amount		
						Date	Expiration		Or Number		
						Exercisable	Date	Title Number of			
				C + V	(A) (D)						
				Code V	(A) (D)				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

01/18/2017

**Signature of Reporting Person

Date

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).
 - 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.
- The Reporting Person is the investment manager to Park West Investors Master Fund, Limited, a Cayman Islands exempted company (2) ("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.
- 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 (3) 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

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