Kindred Biosciences, Inc.

Form 4

January 25, 2017

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

STATEMENT OF CHANGES IN BENEFICIAL OWNERSHIP OF

SECURITIES

OMB Number:

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Expires:

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Section 16. Form 4 or Form 5 obligations may continue.

if no longer

subject to

Check this box

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

1(b).

(Print or Type Responses)

See Instruction

1. Name and Address of Reporting Person * **Townsend Raymond**

2. Issuer Name and Ticker or Trading Symbol

Kindred Biosciences, Inc. [KIN]

5. Relationship of Reporting Person(s) to

Issuer

(First) (Last)

C/O KINDRED BIOSCIENCES.

3. Date of Earliest Transaction

(Check all applicable)

(Month/Day/Year)

01/23/2017

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

6. Individual or Joint/Group Filing(Check

INC., 1555 BAYSHORE HIGHWAY, SUITE 200

> (Street) 4. If Amendment, Date Original

(Middle)

Applicable Line)

Filed(Month/Day/Year)

X Form filed by One Reporting Person Form filed by More than One Reporting

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

BURLINGAME, CA 94010

Security

(Instr. 3)

(City) (State) (Zip) 1. Title of

2. Transaction Date 2A. Deemed 3. 4. Securities (Month/Day/Year) Execution Date, if TransactionAcquired (A) or Code Disposed of (D) (Instr. 3, 4 and 5) (Month/Day/Year) (Instr. 8)

5. Amount of 6. Ownership Securities Beneficially Owned (I) Following

Form: Direct Indirect (D) or Indirect Beneficial Ownership (Instr. 4) (Instr. 4)

Reported (A) Transaction(s) or (Instr. 3 and 4)

Code V Amount (D) Price

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

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SEC 1474 (9-02)

7. Nature of

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

1. Title of Derivative Conversion 3. Transaction Date 3A. Deemed (Month/Day/Year) Execution Date, if

5. Number of TransactionDerivative

6. Date Exercisable and **Expiration Date**

7. Title and Amount of 8 Underlying Securities

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Security (Instr. 3)	or Exercise Price of Derivative Security		any (Month/Day/Year)	Code Securities (Instr. 8) Acquired (A) or Disposed (D) (Instr. 3, 4, and 5)		(A) ed of	(Month/Day/Year)		(Instr. 3 and 4)		
				Code	V	(A)	(D)	Date Exercisable	Expiration Date	Title	Amount or Number of Shares
Stock Option (right to buy)	\$ 6.4	01/23/2017		A		49,900		<u>(1)</u>	01/23/2027	Common Stock	49,900

Reporting Owners

Reporting Owner Name / Address

Director 10% Owner Officer Other

Townsend Raymond C/O KINDRED BIOSCIENCES, INC. 1555 BAYSHORE HIGHWAY, SUITE 200 BURLINGAME, CA 94010



Signatures

/s/ Dietrick L. Miller, Attorney in Fact 01/25/2017

**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).
- (1) The option will vest as to 25% quarterly following the date of grant.

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.

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