Kindred Biosciences, Inc.

Form 4

September 30, 2014

Check this box

if no longer

Section 16.

Form 4 or

Form 5

subject to

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

STATEMENT OF CHANGES IN BENEFICIAL OWNERSHIP OF

OMB Number:

3235-0287

Expires:

January 31, 2005

0.5

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OMB APPROVAL

response...

SECURITIES Filed pursuant to Section 16(a) of the Securities Exchange Act of 1934,

obligations may continue. See Instruction

Section 17(a) of the Public Utility Holding Company Act of 1935 or Section

30(h) of the Investment Company Act of 1940

2. Issuer Name and Ticker or Trading

1(b).

(Last)

(Print or Type Responses)

1. Name and Address of Reporting Person * NODELMAN OLEG

5. Relationship of Reporting Person(s) to

Issuer

(First) (Middle)

Kindred Biosciences, Inc. [KIN] 3. Date of Earliest Transaction

(Check all applicable)

(Month/Day/Year) 09/29/2014

_X__ Director 10% Owner Officer (give title __ Other (specify

C/O KINDRED BIOSCIENCES, INC., 1499 BAYSHORE HIGHWAY, SUITE 226

> (Street) 4. If Amendment, Date Original

Symbol

Filed(Month/Day/Year)

6. Individual or Joint/Group Filing(Check

Applicable Line)

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

BURLINGAME, CA 94010

(City)	(State)	(Zip) Table I - Non-Derivative Securities Acquired, Disposed of, or Beneficially Own								
1.Title of Security (Instr. 3)	2. Transaction Date (Month/Day/Year)	2A. Deemed Execution Date, if any (Month/Day/Year)	3. Transactic Code (Instr. 8)	4. Securit coor Dispos (Instr. 3, 4	ed of	` ′	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 Beneficial Ownership (Instr. 4)	
Common Stock	09/29/2014		P	44,410	A		490,936 (3)	I	By EcoR1 Capital Fund, L.P.	
Common Stock	09/29/2014		P	55,590	A	\$ 9.5597	614,495 (3)	I	By EcoR1 Capital Fund Qualified, L.P. (2)	
Common Stock							50,000	D		

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

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SEC 1474 (9-02)

9. Nu Deriv Secur Bene Own Follo Repo Trans

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. Titl	le and	8. Price of	9
Derivative	Conversion	(Month/Day/Year)	Execution Date, if	TransactionNumber		Expiration Date		Amou	int of	Derivative	J
Security	or Exercise		any	Code	of	(Month/Day/	Year)	Under	lying	Security	,
(Instr. 3)	Price of		(Month/Day/Year)	(Instr. 8	Derivative	;		Securities		(Instr. 5)]
	Derivative			Securities		(Instr			3 and 4)		(
	Security				Acquired						J
					(A) or						J
					Disposed						7
					of (D)						(
					(Instr. 3,						
					4, and 5)						
									Amount		
									or		
						Date Expiration Exercisable Date	Expiration		Number		
							of				
				Code V	(A) (D)				Shares		
				Code V	(II)				Dilaics		

Reporting Owners

Reporting Owner Name / Address Relationships

Director 10% Owner Officer Other

NODELMAN OLEG C/O KINDRED BIOSCIENCES, INC. 1499 BAYSHORE HIGHWAY, SUITE 226 BURLINGAME, CA 94010



Signatures

/s/ Oleg Nodelman 09/30/2014

**Signature of Date
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).
- Shares owned directly by EcoR1 Capital Fund, L.P. ("Capital Fund"). Mr. Nodelman, solely by virtue of his position as the manager of EcoR1 Capital, LLC ("EcoR1"), the general partner of Capital Fund, may be deemed to beneficially own the shares owned directly by Capital Fund. Mr. Nodelman expressly disclaims beneficial ownership of such shares except to the extent of his pecuniary interest therein.
- Shares owned directly by EcoR1 Capital Fund Qualified, L.P. ("Qualified Fund"). Mr. Nodelman, solely by virtue of his position as the manager of EcoR1, the general partner of Qualified Fund, may be deemed to beneficially own the shares owned directly by Qualified Fund. Mr. Nodelman expressly disclaims beneficial ownership of such shares except to the extent of his pecuniary interest therein.

Reporting Owners 2

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The shares owned directly by each of Capital Fund and Qualified Fund have been adjusted from the previous Form 4 filed by Mr.

(3) Nodelman with respect to securities of the Issuer to give effect to transfers of shares between Capital Fund and Qualified Fund in connection with periodic rebalancing transactions, which occurred prior to the transactions reported herein.

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.