FORM 4

UNITED STATES SECURITIES AND EXCHANGE COMMISSION

Washington, D.C. 20549

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Į	OMB APPROVAL							
l	OMB Number:	3235-028						

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Check this box if no longer subject to Section 16. Form 4 or Form 5 obligations may continue. See Instruction 1(b).

STATEMENT OF CHANGES IN BENEFICIAL OWNERSHIP

Filed pursuant to Section 16(a) of the Securities Exchange Act of 1934 or Section 30(h) of the Investment Company Act of 1940

1. Name and Address of Reporting Person* BARRETT M JAMES					2. Issuer Name and Ticker or Trading Symbol Mirna Therapeutics, Inc. [MIRN]						Relationship of Reporting Person(s) to Issuer (Check all applicable) Director					
	ast) (First) (Middle) 954 GREENSPRING DRIVE UITE 600				3. Date of Earliest Transaction (Month/Day/Year) 10/05/2015						officer (gi	ve title		Other (specification)	респу	
(Street) TIMONI	IUM	MD (State)	21093	4. If A	4. If Amendment, Date of Original Filed (Month/Day/Year)					6. Indiv	6. Individual or Joint/Group Filing (Check Applicable Line) X Form filed by One Reporting Person Form filed by More than One Reporting Person					
(City)	(City) (State) (Zip) Table I - Non-Derivative Securities Acquired, Disposed of, or Beneficially Owned															
1. Title of Security (Instr. 3)			2. Transaction Date (Month/Day/Yea	action 2A. Deemed 3. Execution Date, Trans		ction	4. Securitie	es Acquired (Of (D) (Instr. 3	A) or	5. Amount of Securities Beneficially Owned Following Reported		6. Ownership Form: Direct (D) or Indirect (I) (Instr. 4)		7. Nature of ndirect Beneficial Ownership		
						Code	v	Amount	(A) or (D)	Price	Transaction (Instr. 3 and				Instr. 4)	
Common Stock		10/05/2015		С		1,241,65	50 A	(1)	1,241,650				See Note			
Common Stock			10/06/2015		J ⁽³⁾		257,51	6 A	\$0.00(3)	1,499,166				See Note		
Common Stock			10/05/2015		С		583,55	9 A	(4)	2,082,725		I		See Note		
Common Stock			10/06/2015		J ⁽⁵⁾		31,650) A	\$0.00(5)	2,114,375		I		See Note		
Common Stock 10.			10/06/2015		P		857,14	2 A	\$7	2,971,517		I		See Note		
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. Conversior or Exercise Price of Derivative Security		3A. Deemed Execution Date, if any (Month/Day/Year	4. Transaction Code (Instr. 8)	Derivative	6. Date E Expiratio (Month/D	n Date	Securities Underly		derlying	8. Price of Derivative Security (Instr. 5) Senedic Owned Followin Reporte		ve es ially ng	10. Ownership Form: Direct (D) or Indirect (I) (Instr. 4)	11. Nature of Indirect Beneficial Ownership (Instr. 4)	

Explanation of Responses:

(4)

1. Each share of Series C Preferred Stock automatically converted on a one-to-one basis into Common Stock upon the consummation of the Issuer's initial public offering.

(A) (D)

1,241,650(6)

583,559

2. The Reporting Person is a director of NEA 14 GP, LTD, which is the sole general partner of NEA Partners 14, L.P. ("NEA Partners 14"). NEA Partners 14 is the sole general partner of New Enterprise Associates 14, L.P. ("NEA 14"), which is the direct beneficial owner of the securities. The Reporting Person disclaims beneficial ownership, within the meaning of Section 16 of the Securities Exchange Act of 1934, as amended, or otherwise of such portion of the NEA 14 shares in which the Reporting Person has no pecuniary interest.

(4)

- 3. The shares were issued for no additional consideration pursuant to an accruing paid-in-kind dividend on shares of Series C Preferred Stock of the Company.
- 4. Each share of Series D Preferred Stock automatically converted on a one-to-one basis into Common Stock upon the consummation of the Issuer's initial public offering.
- 5. The shares were issued for no additional consideration pursuant to an accruing paid-in-kind dividend on shares of Series D Preferred Stock of the Company.
- 6. Due to a clerical error, the Reporting Person's Form 3 which previously reported the holding of these shares understated his total by one (1) share.

Code

С

C

7. The expiration date is not relevant to the conversion of these securities.

10/05/2015

10/05/2015

Remarks:

Series C

Preferred

Series D Preferred

Stock

<u>/s/ Sasha Keough, attorney-in-</u>

Amount or

1,241,650(6)

583,559

10/06/2015

Transaction(s)

0

See Note 2⁽²⁾

See Note

2⁽²⁾

(Instr. 4)

(1)

(3)

fact

Expiration Date

(7)

(7)

Title

Stock

Commor

Stock

** Signature of Reporting Person

Date

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

- * 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).

Note: File three copies of this Form, one of which must be manually signed. If space is insufficient, see Instruction 6 for procedure.

Persons who respond to the collection of information contained in this form are not required to respond unless the form displays a currently valid OMB Number.