(City)

(Last)

(Street)

MENLO PARK

(State)

(First)

1. Name and Address of Reporting Person*

3000 SAND HILL ROAD, 4-250

HEALY JAMES

(Zip)

(Middle)

94025

FORM 3

UNITED STATES SECURITIES AND EXCHANGE COMMISSION

Washington, D.C. 20549

INITIAL STATEMENT OF BENEFICIAL OWNERSHIP OF SECURITIES

OMB APPROVAL

OMB Number: 3235-0104

Estimated average burden hours per response: 0.5

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					16(a) of the Securities Exchange f the Investment Company Act of 2					
Name and Address of Reporting Person* Sofinnova Venture Partners VIII, L.P.			2. Date of Event Requiring Statement (Month/Day/Year) 09/30/2015		3. Issuer Name and Ticker or Trading Symbol Mirna Therapeutics, Inc. [MIRN]					
(Last) (First) (Middle) SOFINNOVA VENTURES 3000 SAND HILL ROAD, 4-250			Relationship of Reporting Pers (Check all applicable) Director X Officer (give title	. ,	r (Mo	nth/Day/Year)	ate of Original Filed			
(Street) MENLO PARK	CA CA	94025			below)	below)`	6. Ir	Form filed by	/Group Filing (Check y One Reporting Person y More than One erson	
(City)	(State)	(Zip)	Table I No	n Danis a	tive Convention Devention	Il. C d				
1. Title of Security (Instr. 4)			2	2. Amount of Securities Beneficially Owned (Instr. 4) 3. Ownership Form: Direct (D) or Indirect (I) (Instr. 5)		t (D) (Insti	4. Nature of Indirect Beneficial Ownership (Instr. 5)			
		((e Securities Beneficially ants, options, convertible		s)			
1. Title of Derivative Security (Instr. 4)		2. Date Exerc Expiration D (Month/Day/	ate	3. Title and Amount of Securities Underlying Derivative Security (Instr. 4)		4. Conversion or Exercise	se Form:	6. Nature of Indirect Beneficial Ownership (Instr. 5)		
			Date Exercisable	Expiration Date	Title	Amount or Number of Shares	Price of Derivative Security	Direct (D) or Indirect (I) (Instr. 5)		
Series C Prefe			(2)	(3)	Common Stock	1,244,268	0	D ⁽⁴⁾		
Series D Prefe	erred Stock ⁽¹⁾		(2)	(3)	Common Stock	583,559	0	D ⁽⁴⁾		
	ddress of Reporti Venture Pa	ing Person* artners VIII, L.P.								
	(First) A VENTURE HILL ROAD		le)							
(Street) MENLO PAI	RK CA	9402	25							
(City)	(State)	(Zip)		_						
	ddress of Reporti	ing Person* ent VIII, L.L.C.								
(Last) 3000 SAND	(First)	(Midd , 4-250	le)							
(Street) MENLO PAI	RK CA	9402	.5	_						

I							
(City)	(State)	(Zip)					
1. Name and Address of Reporting Person* AKKARAJU SRINIVAS							
(Last)	(First)	(Middle)					
3000 SAND HILL ROAD, 4-250							
(Street)							
MENLO PARK	CA	94025					
(City)	(State)	(Zip)					
Name and Address of Reporting Person* Mehra Anand							
(Last)	(First)	(Middle)					
3000 SAND HILL ROAD, 4-250							
(Street)							
MENLO PARK	CA	94025					
(City)	(State)	(Zip)					

Explanation of Responses:

- 1. Each share of Series C and Series D Preferred Stock will automatically convert on a one-to-one basis into Common Stock immediately prior to the consummation of the Issuer's initial public offering.
- 2. The securities are immediately convertible.
- 3. The expiration date is not relevant to the conversion of these securities.
- 4. The shares are held by Sofinnova Venture Partners VIII, L.P. ("SVP VIII"). Sofinnova Management VIII, L.L.C. ("SM VIII") is the general partner of SVP VIII. The individual Managers, or the Managing Members, of SVP VIII are Michael Powell, James Healy, Srinivas Akkaraju and Anand Mehra. The Managers share voting and dispositive power with regard to the shares held directly by SVP VIII. Such persons and entities disclaim beneficial ownership over the shares owned by SVP VIII except to the extent of any pecuniary interest therein.

/s/ Nathalie Auber, Attorney- in-Fact for Sofinnova Venture	09/30/2015
Partners VIII, L.P.	00/00/2010
/s/ Nathalie Auber, Attorney- in-Fact for Sofinnova Management VIII, L.L.C.	09/30/2015
/s/ Nathalie Auber, Attorney- in-Fact for James Healy	09/30/2015
/s/ Nathalie Auber, Attorney- in-Fact for Srinivas Akkaraju	09/30/2015
/s/ Nathalie Auber, Attorney- in-Fact for Anand Mehra	09/30/2015
** 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 5 (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.