FORM 4

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

UNITED STATES SECURITIES AND EXCHANGE COMMISSION

Washingto	n, D.C.	20549

OMB APPROVAL OMB Number: Estimated average burden hours per response: 0.5

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

Name and Address of Reporting Person* Irvin Jon					2. Issuer Name and Ticker or Trading Symbol Mirna Therapeutics, Inc. [MIRN]									Check	all app Dired	olicable)	g Person(s) to Is 10% O Other		
(Last) (First) (Middle) C/O MIRNA THERAPEUTICS, INC. 3711 SOUTH MOPAC EXPRESSWAY, STE 100					3. Date of Earliest Transaction (Month/Day/Year) 11/11/2016									X	belov		(CF 0 5.1.)		
(Street) AUSTIN TX 78746 (City) (State) (Zip)				4. If	4. If Amendment, Date of Original Filed (Month/Day/Year)								5. Individual or Joint/Group Filing (Check Applicable .ine) X Form filed by One Reporting Person Form filed by More than One Reporting Person						
	Table I - Non-Derivative Securities Acquired, Disposed of, or Beneficially Owned																		
1. Title of Security (Instr. 3) 2. Transac Date (Month/Date)					Execution Date		n Date,	3. Transaction Code (Instr. 8)		4. Securities Acquired (A) Disposed Of (D) (Instr. 3, 4 5)				4 and Sec Ben		ount of ties cially d Following	6. Ownership Form: Direct (D) or Indirect (I) (Instr. 4)	7. Nature of Indirect Beneficial Ownership (Instr. 4)	
								Code	v	Amount		(A) or (D)	Price		Transa	action(s) 3 and 4)		(111341. 4)	
Common Stock 11/11/				./2016				S ⁽¹⁾		150		D	\$1.	45	7,905		D		
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. Conversion or Exercise Price of Derivative Security	Date (Month/Day/Year) if a	if any	cution Date,	4. Transaction Code (Instr. 8)		of I		6. Date Exercisable and Expiration Date (Month/Day/Year)		7. Title and Amount of Securities Underlying Derivative Security (Instr. and 4)						Ownership Form: Direct (D) or Indirect (I) (Instr. 4)	11. Nature of Indirect Beneficial Ownership (Instr. 4)	
					Code	v	(A)	(D)	Date Exercisal		Expiration Date	Title	of	nber					

Explanation of Responses:

1. Transaction made pursuant to a 10b5-1 trading plan adopted by the Reporting Person on June 29, 2016.

/s/ Jon Irvin

11/14/2016

** 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.