

INITIAL STATEMENT OF BENEFICIAL OWNERSHIP OF SECURITIES

OMB APPROVAL	
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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* <u>Cancer Prevention & Research Institute of Texas</u> (Last) (First) (Middle) <u>1701 N. CONGRESS AVENUE, SUITE 6-127</u> (Street) <u>AUSTIN TX 78701</u> (City) (State) (Zip)	2. Date of Event Requiring Statement (Month/Day/Year) <u>10/05/2015</u>	3. Issuer Name and Ticker or Trading Symbol <u>Mirna Therapeutics, Inc. [MIRN]</u>	
		4. Relationship of Reporting Person(s) to Issuer (Check all applicable) Director <input checked="" type="checkbox"/> 10% Owner Officer (give title below) Other (specify below)	5. If Amendment, Date of Original Filed (Month/Day/Year) 6. Individual or Joint/Group Filing (Check Applicable Line) <input checked="" type="checkbox"/> Form filed by One Reporting Person Form filed by More than One Reporting Person

Table I - Non-Derivative Securities Beneficially Owned

1. Title of Security (Instr. 4)	2. Amount of Securities Beneficially Owned (Instr. 4)	3. Ownership Form: Direct (D) or Indirect (I) (Instr. 5)	4. Nature of Indirect Beneficial Ownership (Instr. 5)
<u>Common Stock</u>	<u>2,395,010</u>	<u>D</u>	

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

1. Title of Derivative Security (Instr. 4)	2. Date Exercisable and Expiration Date (Month/Day/Year)		3. Title and Amount of Securities Underlying Derivative Security (Instr. 4)		4. Conversion or Exercise Price of Derivative Security	5. Ownership Form: Direct (D) or Indirect (I) (Instr. 5)	6. Nature of Indirect Beneficial Ownership (Instr. 5)
	Date Exercisable	Expiration Date	Title	Amount or Number of Shares			

Explanation of Responses:

Remarks:

Exhibit 24 - Confirming Statement of Cancer Prevention and Research Institute of Texas.

/s/ Wayne R. Roberts, Chief Executive Officer, on behalf of Cancer Prevention and Research Institute of Texas 10/08/2015

** 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.

CONFIRMING STATEMENT

This Statement confirms that the undersigned, Cancer Prevention and Research Institute of Texas, has authorized and designated each of Wayne R. Roberts and Heidi M. McConnell to execute and file on the undersigned's behalf all Forms 3, 4, and 5 (including any amendments thereto) that the undersigned may be required to file with the U.S. Securities and Exchange Commission as a result of the undersigned's ownership of or transactions in securities of Mirna Therapeutics, Inc. The authority of Wayne R. Roberts and Heidi M. McConnell under this Statement shall continue until the undersigned is no longer required to file Forms 3, 4, and 5 with regard to the undersigned's ownership of or transactions in securities of Mirna Therapeutics, Inc., unless earlier revoked in writing. The undersigned acknowledges that neither Wayne R. Roberts nor Heidi M. McConnell is assuming any of the undersigned's responsibilities to comply with Section 16 of the Securities Exchange Act of 1934.

Date: October 7, 2015

Cancer Prevention and Research Institute
of Texas

By: /s/ Wayne R. Roberts

Name: Wayne R. Roberts
Title: Chief Executive Officer