

Dicerna Pharmaceuticals Inc  
 Form 4  
 February 05, 2014

**FORM 4** UNITED STATES SECURITIES AND EXCHANGE COMMISSION  
 Washington, D.C. 20549

OMB APPROVAL

OMB Number: 3235-0287  
 Expires: January 31, 2015  
 Estimated average burden hours per response... 0.5

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 OF SECURITIES**

Filed pursuant to Section 16(a) of the Securities Exchange Act of 1934, Section 17(a) of the Public Utility Holding Company Act of 1935 or Section 30(h) of the Investment Company Act of 1940

(Print or Type Responses)

1. Name and Address of Reporting Person \*  
 RA CAPITAL MANAGEMENT, LLC

2. Issuer Name and Ticker or Trading Symbol  
 Dicerna Pharmaceuticals Inc [DRNA]

5. Relationship of Reporting Person(s) to Issuer

(Check all applicable)

(Last) (First) (Middle)  
 20 PARK PLAZA, SUITE 1200  
 (Street)

3. Date of Earliest Transaction (Month/Day/Year)  
 02/04/2014

\_\_\_\_ Director \_\_\_\_\_ 10% Owner  
 \_\_\_\_\_ Officer (give title below) \_\_\_\_\_ Other (specify below)  
 P. Kolchinsky is a director.

BOSTON, MA 02116  
 (City) (State) (Zip)

4. If Amendment, Date Original Filed(Month/Day/Year)

6. Individual or Joint/Group Filing(Check Applicable Line)  
 \_\_\_\_ Form filed by One Reporting Person  
 \_X\_ 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. Transaction Date (Month/Day/Year)	2A. Deemed Execution Date, if any (Month/Day/Year)	3. Transaction Code (Instr. 8)	4. Securities Acquired (A) or Disposed of (D) (Instr. 3, 4 and 5)	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, par value \$0.0001 per share (1)	02/04/2014		C	1,428,571 (1)	A 1,428,571	I	See Footnotes (4) (5)
Common Stock, par value \$0.0001 per share	02/04/2014		P	1,000,000 (2)	A \$ 15 2,428,571 (3)	I	See Footnotes (4) (5)



## 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).

These shares include 1,428,571 of Common Stock that were converted from Series C Preferred Shares held by RA Capital Healthcare

- (1) Fund, L.P. (the "Fund"). The Series C Preferred Shares converted into shares of the Issuer's Common Stock upon the closing of the Issuer's initial public offering of Common Stock.
- (2) The securities purchased include 827,500 shares for RA Capital Healthcare Fund, L.P. (the "Fund") and 172,500 shares for an account owned by Blackwell Partners, LLC (the "Blackwell Account").
- (3) Following the transactions set forth on Table I above, 2,256,071 shares are held by the Fund, and 172,500 shares are held in the Blackwell Account.  
  
RA Capital Management, LLC (the "Adviser") is the general partner of the Fund and the investment adviser of the Blackwell Account.
- (4) Peter Kolchinsky is the sole manager of the Adviser. In their respective capacities, each of Mr. Kolchinsky and the Adviser may be deemed to beneficially own the reported securities. In addition, Mr. Kolchinsky is a director of the Issuer.  
  
Pursuant to Rule 16a-1 under the Securities Exchange Act of 1934, as amended (the "Act"), each of the Reporting Persons disclaims beneficial ownership of the securities reported herein except to the extent of their respective pecuniary interests therein. The filing of this
- (5) Form 4 shall not be construed as an admission that Mr. Kolchinsky or the Adviser is or was for the purposes of Section 16(a) of the Act, or otherwise, the beneficial owner of any of securities 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.