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

OMB APPROVAL

Estimated average burden

3235-0287

2014

December 31,

OMB Number:

Expires:

hours per

Washington, D.C. 20549

## STATEMENT OF CHANGES IN BENEFICIAL OWNERSHIP

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

0.5 response 2. Issuer Name and Ticker or Trading Symbol 1. Name and Address of Reporting Person<sup>\*</sup> 5. Relationship of Reporting Person(s) to IDERA PHARMACEUTICALS, INC. [IDRA] Issuer Goldberg Mark Alan (Check all applicable) 3. Date of Earliest Transaction (Month/Day/Year) X Director 10% Owner 06/09/2014 (Middle) (Last) (First) Officer (give Other (specify C/O IDERA PHARMACEUTICALS, INC., 167 title below) below) SIDNEY STREET 6. Individual or Joint/Group Filing (Check 4. If Amendment, Date of Original Filed (Month/Day/Year) Applicable Line) (Street) X Form filed by One Reporting Person CAMBRIDGE MA 02139 Form filed by More than One Reporting Person (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/Year)	2A. Deemed Execution Date, if any (Month/Day/Year)	3. Transac Code (Instr. 8) Code		4. Secur Acquired Dispose (Instr. 3, Amount	d (A) d of , 4 ar (A) or	or (D)	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)

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	3. Transaction Date (Month/Day/Year)	3A. Deemed Execution Date, if any (Month/Day/Year)	4. Transac Code (Instr. 8		5. Nur of Deriva Securi Acquir (A) or Dispos of (D) (Instr. 4, and	tive ties ed sed 3,	6. Date Exercisable and Expiration Date (Month/Day/Year)		te Amount of		8. Price of Derivative Security (Instr. 5)	9. Number of Derivative Securities Beneficially Owned Following Reported Transaction(s) (Instr. 4)	10. Ownership Form of Derivative Security: Direct (D) or Indirect (I) (Instr. 4)	11. Nature of Indirect Beneficial Ownership (Instr. 4)
				Code	v	(A)	(D)	Date Exercisable	Expiration Date	Title	Amount or Number of Shares				
Stock Option	\$ 3.25	06/09/2014		A		35,000		(1)	06/09/2024	Common Stock	35,000	\$ 0	35,000	D	

## **Explanation of Responses:**

1. The option vests in twelve equal quarterly installments over three years from the date of grant, with the first installment vesting on September 9, 2014. The option was automatically granted pursuant to the Company's director compensation program on the date of the Company's 2014 annual meeting of stockholders at an exercise price equal to the closing price of the Company's common stock on the date of grant.

/s/ Mark Goldberg	<u>06/11/2014</u>
** 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.