FORM 4

UNITED STATES SECURITIES AND EXCHANGE COMMISSION

Washington, D.C. 20549

OMB APPROVAL								
OMB Number: 3235-02								
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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

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* Arcudi III Louis J (Last) (First) (Middle) C/O IDERA PHARMACEUTICALS, INC. 167 SIDNEY STREET (Street) CAMBRIDGE MA 02139 (City) (State) (Zip)						2. Issuer Name and Ticker or Trading Symbol IDERA PHARMACEUTICALS, INC. [IDRA] 3. Date of Earliest Transaction (Month/Day/Year) 05/22/2013 4. If Amendment, Date of Original Filed (Month/Day/Year)							6. Lir	5. Relationship of Reporting Person(s) to Issuer (Check all applicable) Director 10% Owner X Officer (give title Other (specify below) Chief Financial Officer 6. Individual or Joint/Group Filing (Check Applicable Line) X Form filed by One Reporting Person Form filed by More than One Reporting Person					oplicable
1. Title of Security (Instr. 3) 2. Transact Date (Month/Day					ction	ion 2A. Deemed Execution Date,			3. Transactic Code (Ins 8)	on	4. Secur	ities Acquired (A) od Of (D) (Instr. 3, 4		or	5. Amount of Securities Beneficially Owned Following Reported Transaction(s) (Instr. 3 and 4)		Form (D) o	: Direct r ect (I)	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. Transaction Code (Instr. 8)		n of		6. Date Exercisable and Expiration Date (Month/Day/Year)			7. Title ar Amount of Securities Underlyir Derivative (Instr. 3 a	8. Price of Derivative Security (Instr. 5)		9. Numbe derivative Securities Beneficia Owned Following Reported Transacti (Instr. 4)	e s Illy	10. Ownership Form: Direct (D) or Indirect (I) (Instr. 4)	Beneficial Ownership	
					Code	v	(A)	(D)	Date Exercisable		xpiration ate	Title	Amount or Number of Shares						
Stock Option (Right to Buy)	\$0.69	05/22/2013			A		348,333		(1)	0.	5/22/2023	Common Stock	348,33.	3	\$0.00	348,33	33	D	

Explanation of Responses:

1. The option vests with respect to 40% of the underlying shares on the first anniversary of the date of grant and with respect to 20% of the underlying shares on each of the second, third and fourth anniversaries of the date of grant.

Remarks:

/s/ Louis J. Arcudi III 05/24/2013

** 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.

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