Arcudi III Louis J Form 4 March 15, 2012

FORM 4

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

STATEMENT OF CHANGES IN BENEFICIAL OWNERSHIP OF

SECURITIES

OMB APPROVAL OMB

3235-0287 Number:

January 31, Expires: 2005

0.5

Estimated average burden hours per response...

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Check this box

Form 5 obligations may continue. See Instruction

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

1(b).

(Last)

(Print or Type Responses)

1. Name and Address of Reporting Person * Arcudi III Louis J

2. Issuer Name and Ticker or Trading Symbol

5. Relationship of Reporting Person(s) to

Issuer

IDERA PHARMACEUTICALS, INC. [IDRA]

(Check all applicable) 10% Owner

Chief Financial Officer

3. Date of Earliest Transaction

(Month/Day/Year) 03/13/2012

X_ Officer (give title Other (specify below)

C/O IDERA PHARMACEUTICALS, INC., 167

(Street)

(First)

SIDNEY STREET

4. If Amendment, Date Original

6. Individual or Joint/Group Filing(Check

Applicable Line)

Director

Filed(Month/Day/Year)

(Middle)

X Form filed by One Reporting Person Form filed by More than One Reporting

CAMBRIDGE, MA 02139

(City) (State) (Zip)

Table I - Non-Derivative Securities Acquired, Disposed of, or Beneficially Owned

1.Title of Security (Instr. 3)

2. Transaction Date 2A. Deemed (Month/Day/Year)

Execution Date, if

(Month/Day/Year)

3. 4. Securities TransactionAcquired (A) or Code Disposed of (D) (Instr. 8) (Instr. 3, 4 and 5)

5. Amount of Securities Beneficially Owned Following Reported

6. Ownership 7. Nature of Form: Direct Indirect (D) or Indirect Beneficial Ownership (Instr. 4) (Instr. 4)

(A)

Transaction(s) (Instr. 3 and 4) Code V Amount (D) Price

Reminder: Report on a separate line for each class of securities beneficially owned directly or indirectly.

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

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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)	5. Number of orderivative Securities Acquired (A) or Disposed of (D) (Instr. 3, 4, and 5)	6. Date Exercisable and Expiration Date (Month/Day/Year)		7. Title and Amount of Underlying Securities (Instr. 3 and 4)	
				Code V	(A) (D)	Date Exercisable	Expiration Date	Title	Amount or Number of Shares
Stock Option (Right to	\$ 1.157	03/13/2012		A	12,500 (1)	<u>(1)</u>	11/28/2021	Common Stock	12,500 (1)

Reporting Owners

Reporting Owner Name / Address Relationships

Director 10% Owner Officer Other

Arcudi III Louis J C/O IDERA PHARMACEUTICALS, INC. 167 SIDNEY STREET CAMBRIDGE, MA 02139

Chief Financial Officer

Signatures

/s/ Louis J. Arcudi, III 03/15/2012

**Signature of Date
Reporting Person

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).

On December 5, 2011, the reporting person was granted an option to purchase up to an aggregate of 200,000 shares of common stock.

Half of the shares subject to such option are subject to satisfaction of performance vesting criteria. On March 13, 2012, certain performance vesting criteria were met with respect to 12,500 of such shares, of which 3,125 shares vested on March 13, 2012 and the remaining 9,375 of which will vest in three equal annual installments beginning on March 13, 2013.

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.

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