FORM 4

UNITED STATES SECURITIES AND EXCHANGE COMMISSION

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ton, D.C. 20549	OMB Number:	3235-0287				
O IN DENEELOIAL OVANIEDOUID	Estimated average burd	en				
S IN BENEFICIAL OWNERSHIP	hours per response:	0.5				

_	Check this box if no longer subject
٦	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

Name and Address of Reporting Person* Arcudi III Louis J				IDE	2. Issuer Name and Ticker or Trading Symbol IDERA PHARMACEUTICALS, INC. [IDRA]								Check	c all applic Directo	able) r	ıg Per	rson(s) to Is 10% Ow Other (s	/ner	
(Last)	(F	irst) ((Middle)			3. Date of Earliest Transaction (Month/Day/Year)								X	Officer (give title below)			below)	pecily
C/O IDERA PHARMACEUTICALS, INC.				12/23	12/23/2009									Chief Financial Officer					
167 SIDNEY STREET				4. If A	4. If Amendment, Date of Original Filed (Month/Day/Year)									Individual or Joint/Group Filing (Check Applicable Line)					
(Street)													-	X	Form fil	ed by One	Repo	orting Perso	n
CAMBR	IDGE M	IA (02139												Form fil Person	,	e thar	One Repo	rting
(City)	(5	State) ((Zip)																
	Table I - Non-Derivative Securities Acquired, Disposed of, or Beneficially Owned																		
1. Title of Security (Instr. 3) 2. Transact Date (Month/Day						Execution Date,			3. Transaction Code (Instr. 8) 4. Securities Acquired Disposed Of (D) (Instr. and 5)							es Forrially (D) o		n: Direct of F	7. Nature of Indirect Beneficial Ownership (Instr. 4)
									Code	v	Amount	(A) c	Pric	Rep rice Trar				. 4)	msu. 4)
			Tabl						uired, Di					Owr	ned				
1. Title of Derivative Security (Instr. 3)	2. Conversion or Exercise Price of Derivative Security	3. Transaction Date (Month/Day/Year)	if any	on Date,	4. Transact Code (In 8)			ve es d	6. Date Exercisable an Expiration Date (Month/Day/Year)			7. Title and Amount of Securities Underlying Derivative Se (Instr. 3 and 4		0 E	8. Price of Derivative Security (Instr. 5)	9. Number derivative Securities Beneficially Owned Following Reported Transaction (Instr. 4)	is Illy	10. Ownership Form: Direct (D) or Indirect (I) (Instr. 4)	11. Nature of Indirect Beneficial Ownership (Instr. 4)
					Code	v	(A)	(D)	Date Exercisabl		xpiration ate	Title	Amour or Number of Shares	er					
Stock Options	\$5.24	12/23/2009			A	П	110,000		(1)	1	2/23/2019	Common Stock	110,0	00	\$0.00	110,00	0	D	

Explanation of Responses:

1. The options vest in equal quarterly installments over four years, beginning on December 23, 2009.

Remarks:

/s/Louis J. Arcudi III 12/23/2009

** Signature of Reporting Person

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.