FORM 4

UNITED STATES SECURITIES AND EXCHANGE COMMISSION

Washington, D.C. 20549

OMB APPROVAL
OMB Number: 3235-0287
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

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 [*] AGRAWAL SUDHIR					IDE IDR/	2. Issuer Name and Ticker or Trading Symbol IDERA PHARMACEUTICALS, INC. [IDRA]								heck all appl X Direct X Office	or (give title		rson(s) to Issuer 10% Owner Other (specify below)	
(Last) (First) (Middle) C/O IDERA PHARMACEUTICALS, INC.					3. Date of Earliest Transaction (Month/Day/Year) 01/03/2012									A below) Chairman, CEO & 3			t	
167 SIDNEY STREET						4. If Amendment, Date of Original Filed (Month/Day/Year)								6. Individual or Joint/Group Filing (Check Applicable Line)				
(Street) CAMBRIDGE MA 02139				_										X Form filed by One Reporting Person Form filed by More than One Reporting Person				
(City) (State) (Zip)																		
			le I - N					Aco	1	Disp				Ily Owne				
1. Title of Security (Instr. 3) 2. Transact Date (Month/Day					Exe if a	. Deemed ecution Date, iny onth/Day/Year)		Transaction D			4. Securities Acquired Disposed Of (D) (Instr. and 5)		Securit Benefic Owned	ies cially	Form (D) o Indir	n: Direct r rect (I)	7. Nature of Indirect Beneficial Ownership	
								Code	v	Amount	(A) c (D)	Price	1	ed		r. 4)	(Instr. 4)	
			Tabl						uired, Dis , options,					Owned				
1. Title of Derivative Security (Instr. 3)	ative Conversion Date ity or Exercise (Month/Day/Year) if any		on Date,	4. Transaction Code (Instr. 8)		of		6. Date Exercisable Expiration Date (Month/Day/Year)		e	d 7. Title and Amount of Securities Underlying Derivative Security (Inst and 4)		8. Price of Derivative Security (Instr. 5)	9. Number derivative Securities Beneficiall Owned Following Reported Transactio (Instr. 4)	ly	Ownership Form: Direct (D) or Indirec (I) (Instr. 4)	Beneficial Ownership	
					Code	v	(A)	(D)	Date Exercisab		xpiration	Title	Amoun or Number of Shares					
Stock Option (Right to Buy)	\$1.16	01/03/2012			A		8,750 ⁽¹⁾		(2)	1	1/28/2021	Common Stock	8,750	\$0.00	8,750		D	
Stock Option (Right to Buy)	\$1.16	01/03/2012			A		8,750 ⁽¹⁾		11/28/201	2 1	1/28/2021	Common Stock	8,750	\$0.00	8,750		D	

Explanation of Responses:

1. The various numbers listed in Columns 5, 7 and 9 relate to a single option grant which entitled the reporting person to purchase up to an aggregate of 35,000 shares of the issuer's common stock. The option to purchase the remaining 17,500 shares of the issuer's common stock is subject to satisfaction of performance-based vesting criteria.

2. The option vests over four years in 16 equal quarterly installments beginning on February 28, 2012.

Remarks:

	/s/ Sudhir Agrawal	
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** Signature of Reporting Person

01/04/2012

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.