FORM 4

UNITED STATES SECURITIES AND EXCHANGE COMMISSION

Washington, D.C. 20549

OMB APPROVAL								
OMB Number: 3235-028								
Estimated average burden								
hours per response: 0								

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				<u>IC</u>	2. Issuer Name and Ticker or Trading Symbol IDERA PHARMACEUTICALS, INC. [IDRA]								Relationship of Reporting Person(s) to Issuer (Check all applicable) X Director 10% Owner					
	RA PHARI	rst) (3.	3. Date of Earliest Transaction (Month/Day/Year) 07/07/2008								X Officer (give title Other (special below) CEO & CSO						
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)	(S	tate) (Zip)															
		Tab	le I - Non-Deri	vativ	e Se	curi	ties A	cquire	d, D	isposed (of, or B	eneficia	ally Owne	ed				
Date			2. Transactio Date (Month/Day/\)	rear) i	2A. Deemed Execution Date, if any (Month/Day/Year)		3. Transaction Code (Instr. 8)		4. Securities Acquired (A) o Disposed Of (D) (Instr. 3, 4			5) Secur Benef Owne	icially d	6. Ownership Form: Direct (D) or Indirect (I) (Instr. 4)		7. Nature of Indirect Beneficial Ownership		
								Code	v	Amount	(A) or (D)	Price	Repoi Trans	Following Reported Transaction(s) (Instr. 3 and 4)			(Instr. 4)	
Common Stock			07/07/20	08	8			M		63,784	A	\$4	14	15,868	D			
Common Stock		07/07/20	08				S ⁽¹⁾		27,600	D	\$13.107	19 (2) 1	18,268	D				
Common Stock			07/08/20	08	8			M		18,769	A	\$4	13	37,037	D			
Common Stock 07/08/2			07/08/20	08	3			S ⁽¹⁾		7,486	D	\$13.336	66 ⁽³⁾ 12	29,551	D			
Common Stock 07/08/200			08	}		S ⁽¹⁾		500	D	\$14	12	29,051	D					
		Т	able II - Deriva (e.g.,							sposed of , converti	•		y Owned					
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)	Code	4. Transaction Code (Instr.		Number rivative curities quired or sposed (D) str. 3, 4	6. Date Exer Expiration (Month/Day			7. Title and Amount of Securities Underlying Derivative Security (Instr. and 4)		8. Price of Derivative Security (Instr. 5)	9. Number derivative Securities Beneficiall Owned Following Reported Transactio (Instr. 4)	Ownersh Form: Direct (D or Indire (I) (Instr.	n: ct (D) direct	11. Nature of Indirect Beneficial Ownership (Instr. 4)	
				Code	. V	, (A)	(D)	Date Exercis	sable	Expiration Date	Title	Amount or Number of Shares						
Stock Options	\$4	07/07/2008		М			54,51	4 01/21/	2000	07/21/2008	Common Stock	54,514	\$0.00	7,986		D		
Stock Options	\$4	07/07/2008		М			9,270	04/01/	2001	01/01/2009	Common Stock	9,270	\$0.00	53,229		D		
Stock Options	\$4	07/08/2008		М			7,986	10/29/	1999	07/21/2008	Common Stock	7,986	\$0.00	0		D		
Stock	\$4	07/08/2008		М			10,78	3 04/01/	2001	01/01/2009	Common	10,783	\$0.00	42,446		D		

${\bf Explanation\ of\ Responses:}$

- 1. The sales reported in this Form 4 were effected pursuant to a Rule 10b5-1 trading plan adopted by the reporting person on May 21, 2008 and the proceeds of such sales are to be used to exercise expiring stock options and applicable taxes associated with the exercise of the options and the sale of the shares under the plan. The reporting person hereby undertakes to provide upon request by the staff of the Securities and Exchange Commission, the issuer or a shareholder of the issuer full information regarding the number of shares sold at each separate price.
- 2. Represents the sale of 27,600 shares in 33 separate transactions, ranging from \$12.90 to \$13.45 per share, resulting in a weighted average sale price per share of \$13.1079.
- 3. Represents the sale of 7,486 shares in 17 separate transactions, ranging from \$13.00 to \$13.93 per share, resulting in a weighted average sale price per share of \$13.3366.

Remarks:

Sudhir Agrawal 07/09/2008

** 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.