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 a AGRA (Last) C/O IDE 345 VAS (Street) CAMBR	IDE IDP ] 3. Dat 04/00	2. Issuer Name and Ticker or Trading Symbol IDERA PHARMACEUTICALS, INC. [ IDP ]  3. Date of Earliest Transaction (Month/Day/Year) 04/06/2007  4. If Amendment, Date of Original Filed (Month/Day/Year)									Relationship of Reporting Person(s) to Issuer Check all applicable)  X Director 10% Owner  X Officer (give title Other (specify below)  CEO & CSO  Individual or Joint/Group Filing (Check Applicable ine)  X Form filed by One Reporting Person  Form filed by More than One Reporting Person							
(- 3)			Zip)	on Doriv	vativo 9	200	urit	ios Ac	auirod	Dier	osod.	of or	Rono	ficia	Illy Own	nd		
Table I - Non-Deriva  1. Title of Security (Instr. 3)  2. Transacti Date (Month/Day)					tion	ion 2A. Deemed Execution Date,				3. 4. Secondary Secondary 1			quirec ) (Instr	i (A)	or 5. Am Secur	ount of ities icially d ving	6. Ownership Form: Direct (D) or Indirect (I) (Instr. 4)	7. Nature of Indirect Beneficial Ownership (Instr. 4)
										v	Amou	nt (£	() or ()	Price	Trans	action(s) 3 and 4)		
Common Stock 04/06/20						007			М		2,3	2,375 A		\$4	25,428		D	
	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. Transaci Code (In 8)				6. Date Exe Expiration (Month/Day	Date		7. Title and Amount of Securities Underlying Derivative Security (Instr. and 4)		ount	8. Price of Derivative Security (Instr. 5)	9. Number of derivative Securities Beneficially Owned Following Reported Transaction (Instr. 4)	Ownership Form: Direct (D) or Indirect (I) (Instr. 4)	11. Nature of Indirect Beneficial Ownership (Instr. 4)
					Code	v	(A)	(D)	Date Exercisable		oiration e	Title	of Shar					
Employee Stock Option	\$4	04/06/2007			М			2,375	04/09/2001	04/	09/2007	Common	2,3	75	\$0.00	0	D	

**Explanation of Responses:** 

Remarks:

Sudhir Agrawal

04/06/2007

\*\* Signature of Reporting Person Date

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

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.

 $<sup>^{\</sup>star}$  If the form is filed by more than one reporting person, see Instruction 4 (b)(v).

<sup>\*\*</sup> Intentional misstatements or omissions of facts constitute Federal Criminal Violations See 18 U.S.C. 1001 and 15 U.S.C. 78ff(a).