FORM 4

UNITED STATES SECURITIES AND EXCHANGE COMMISSION

Washington, D.C. 20549

OMB APPROVAL								
OMB Number: 3235-028								
Estimated average burden								
hours per response:	0.5							

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* Alison Taunton-Rigby					IDE	2. Issuer Name and Ticker or Trading Symbol IDERA PHARMACEUTICALS, INC. [IDRA]									all appl	ionship of Reporting l all applicable) Director		10% O	wner	
` ' ' ` ' ' ' ' ' ' ' ' ' ' ' ' ' ' ' '					3. Date of Earliest Transaction (Month/Day/Year) 06/04/2008									Office below	r (give title)	e Oth bek		specify		
(Street) LINCOL (City))1773 Zip)		4. If A									Indiv ne) X	Form	lual or Joint/Group Filing (Check Applicable Form filed by One Reporting Person Form filed by More than One Reporting Person				
		Tab	le I - N	on-Deriv	ative S	Sec	urities	Ac	quired, D	isp	osed o	of, or Be	enefici	ally	Owne	d				
1. Title of Security (Instr. 3) 2. Transacting Date (Month/Day/						Execution Date,				ction Dispose		urities Acquired sed Of (D) (Instr.		Securit Benefic Owned Follow Report		ties For cially (D) I Ind ring (Ins		n: Direct or ect (I)	7. Nature of Indirect Beneficial Ownership (Instr. 4)	
									Code	Amoun		t (A) or Pric		•	Transaction(s) (Instr. 3 and 4)					
	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. Transaction Code (Instr 8)		n of		6. Date Exercisable and Expiration Date (Month/Day/Year)			7. Title and Amount of Securities Underlying Derivative Security (Instr. 3 and 4)				9. Number of derivative Securities Beneficially Owned Following Reported Transaction (Instr. 4)	,	Ownership Form: Direct (D) or Indirect (I) (Instr. 4)	Beneficial Ownership	
					Code	v	(A)	(D)	Date Exercisable	Ex Da	piration te	Title	Amoun or Number of Shares							
Stock Options	\$14.21	06/04/2008			A		10,000		(1)	06	/04/2018	Common Stock	10,000) (\$0.00	10,000		D		

Explanation of Responses:

1. The option vests in equal quarterly installments over three years, beginning 9/4/2008.

Remarks:

Alison Taunton-Rigby 06/04/2008

** 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.