FORM 4

UNITED STATES SECURITIES AND EXCHANGE COMMISSION

Washington, D.C. 20549

OMB APPROVAL									
OMB Number:	3235-0287								
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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

Name and Address of Reporting Person* MacCoss Malcolm					IDE	2. Issuer Name and Ticker or Trading Symbol IDERA PHARMACEUTICALS, INC. [IDRA]								(Che	elationship eck all appl C Direct	olicable) tor		erson(s) to Issuer	
(Last) (First) (Middle) 2556 SEABROOK ISLAND ROAD					3. Date of Earliest Transaction (Month/Day/Year) 06/15/2010										Officer (give title below)		Other (s	specify	
(Street) SEABRO		C 2	29455		4. If A	men	ndment,	Date	of Original	Filed	(Month/	Day/Year)	Line	Y Form	Joint/Group filed by One filed by More	Repor	ting Perso	on
(City)	(S	tate) (Zip)																
		Tab	le I - No	on-Deriv	ative S	Sec	urities	Ac	quired, [Disp	osed o	of, or B	enef	icial	ly Owne	d			
1. Title of Security (Instr. 3) 2. Transacti Date (Month/Day)						Execution Date,			3. 4. Securities Acquired Transaction Disposed Of (D) (Instrance and 5)					Securit Benefic Owned			Direct	7. Nature of Indirect Beneficial Ownership	
									Code	v	Amoun	mount (A) or (D)		Price				4)	(Instr. 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. Transact Code (In 8)			ive ies ed	6. Date Exercisable an Expiration Date (Month/Day/Year)			Amount of Securities Underlying Derivative Security (Instr. and 4)		. з	8. Price of Derivative Security (Instr. 5)	9. Number of derivative Securities Beneficially Owned Following Reported Transaction (Instr. 4)	O F C D (I) (I) (4)	10. Ownership Form: Direct (D) or Indirect (I) (Instr. 4)	11. Nature of Indirect Beneficial Ownership (Instr. 4)
					Code	v	(A)	(D)	Date Exercisable		piration ite	Title	or	ount nber res					
Stock Option	\$4.16	06/15/2010			A		10,000		(1)	06	/15/2020	Common Stock	10,	000	\$0.00	10,000		D	

Explanation of Responses:

 $1. \ The \ option \ vests \ in \ twelve \ equal \ quarterly \ installments \ over \ three \ years, \ beginning \ on \ September \ 15, \ 2010.$

Remarks:

/s/Malcolm MacCoss

** Signature of Reporting Person

06/15/2010

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.