FORM 4

UNITED STATES SECURITIES AND EXCHANGE COMMISSION

Washington, D.C. 20549

OMB APPROVAL								
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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

Name and Address of Reporting Person* MacCoss Malcolm						2. Issuer Name and Ticker or Trading Symbol IDERA PHARMACEUTICALS, INC. [IDRA]										ionship of Reporting all applicable) Director		10	% Owner	
						3. Date of Earliest Transaction (Month/Day/Year) 10/01/2010										Office below	er (give title v)		Other (specify below)	
(Street) SEABRO ISLAND	OOK SC	SC 29455				4. If Amendment, Date of Original Filed (Month/Day/Year)									Indivi ne) X	Form Form	ual or Joint/Group Filing (Check Applicable Form filed by One Reporting Person Form filed by More than One Reporting Person			
(City)	(St	ate) (Z	Zip)																	
		Tabl	e I - N	on-Deriv	ative S	Secu	ıritie	s Acc	uired, [)isp	osed o	f, or	Bene	ficia	lly (Owne	d			
1. Title of Security (Instr. 3) 2. Transacti Date (Month/Day						Execution Date,			3. Transaction Code (Instr. 8) 4. Securities Acquired Disposed Of (D) (Instr. and 5)							cially	6. Ownersh Form: Dire (D) or Indirect (I) (Instr. 4)			
									Code	v	Amount		(A) or (D)	Price	Repor			(111511.4)	(111501.4)	
Common Stock 10/01/2					2010				Α		1,875	(1)	A	\$3.3		1,875		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)	rative Conversion Date Execution Date, rity or Exercise (Month/Day/Year) if any		ion Date,	Code (Ir	ransaction of Derivative Securities Acquired (A) or Disposed of (D) (Instr. 3, 4 and 5)			Date Exercisable and Expiration Date Expiration Expiration Date			7. Title and Amount of Securities Underlying Derivative Security (Instra 3 and 4) Amount or Numb of Share		ount nber			9. Number of derivative Securities Beneficially Owned Following Reported Transaction (Instr. 4)	Owners Form: Direct (I or Indir (I) (Instr 4)	Beneficial Ownership ect (Instr. 4)		

Explanation of Responses:

1. This stock was issued to the reporting person pursuant to Issuer's director compensation program in lieu of a retainer.

Remarks:

/s/ Malcolm MacCoss 10/04/2010

** 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.

 $^{^{\}star}$ 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).