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 and Address of Reporting Person*  MUELLER HANS					IDE	2. Issuer Name and Ticker or Trading Symbol  IDERA PHARMACEUTICALS, INC. [ IDRA ]								(Che	eck all appl	tionship of Reporting P all applicable) Director Officer (give title below)		erson(s) to Issuer	
(Last) (First) (Middle) 1802 CHESTER HOLLOW LANE					3. Date of Earliest Transaction (Month/Day/Year) 06/14/2011										Other (s			specify	
(Street) WEST	P/		19382		4. If A	men	ndment,	Date	of Original	Filed	l (Month/	Day/Year	)	Line	Y Form	Joint/Group	Repo	rting Perso	on
(City)	ER		Zip)												Perso	filed by More n	tnan	One Repo	orting
	<u> </u>	Tabl	le I - No	on-Deriv	ative S	Sec	urities	Ac	quired, [	Disp	osed o	of, or B	ene	ficial	ly Owne	d			
1. Title of Security (Instr. 3)  2. Transacti Date (Month/Day)						Execution Date,			3. Transaction Code (Instr. 1) 8)  4. Securities Acquire Disposed Of (D) (Inst and 5)					3, 4 Secur Benef Owne		ies cially		Direct	7. Nature of Indirect Beneficial Ownership
									Code	v	Amoun	unt (A) or (D)		Price				. 4)	(Instr. 4)
		Ta	able II ·						uired, Di						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)		4. Transactio Code (Inst 8)		on of		6. Date Exercisable and Expiration Date (Month/Day/Year)			7. Title and Amount of Securities Underlying Derivative Security (Instr. and 4)		·. 3	8. Price of Derivative Security (Instr. 5)	9. Number of derivative Securities Beneficially Owned Following Reported Transaction (Instr. 4)	O F D o (I)	Ownership Form: Direct (D) or Indirect (I) (Instr. 4)	11. Nature of Indirect Beneficial Ownership (Instr. 4)
					Code	v	(A)	(D)	Date Exercisable		piration	Title	or	ount nber ires					
Stock Option	\$2.18	06/14/2011			A		20,000		(1)	06	/14/2021	Common Stock	20,	000	\$0.00	20,000		D	

## Explanation of Responses:

 $1. \ The \ option \ vests \ in \ twelve \ equal \ quarterly \ installments \ over \ three \ years, \ beginning \ on \ September \ 14, \ 2011.$ 

## Remarks:

/s/ Hans Mueller

06/14/2011

\*\* Signature of Reporting Person Da

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.