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*  Karr Robert W							2. Issuer Name and Ticker or Trading Symbol  IDERA PHARMACEUTICALS, INC. [ IDP ]								5. Relationship of Reporting Person(s) to Issuer (Check all applicable)  X Director 10% Owner				
` ' ' ' ' ' ' ' ' ' ' ' ' ' ' ' ' ' ' '						3. Date of Earliest Transaction (Month/Day/Year) 12/14/2006								X	Officer below)	(give title  Presi	iden	Other (s below) t	specify
(Street) ESSEX CT 06426 (City) (State) (Zip)					4. If A	4. If Amendment, Date of Original Filed (Month/Day/Year)								. Individual or Joint/Group Filing (Check Applicable ine)  X Form filed by One Reporting Person Form filed by More than One Reporting Person					
	Table I - Non-Derivative Securities Acquired, Disposed of, or Beneficially Owned																		
1. Title of Security (Instr. 3)  2. Transaction Date (Month/Day/						Execution Date,			3. Transaction Code (Instr. 8)  4. Securities A Disposed Of (D and 5)						5. Amount of Securities Beneficially Owned Following		6. Ownership Form: Direct (D) or Indirect (I) (Instr. 4)		7. Nature of Indirect Beneficial Ownership (Instr. 4)
									Code	v	Amount	(A) or (D)		e	Reporte Transac (Instr. 3	ed ction(s)		1. 4)	(mstr. 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)				6. Date Exercisable and Expiration Date (Month/Day/Year)			7. Title and Amount of Securities Underlying Derivative Security (Instr. 3 and 4)			. Price of Derivative Security Instr. 5)	9. Number derivative Securities Beneficiall Owned Following Reported Transactio (Instr. 4)	ly	10. Ownership Form: Direct (D) or Indirect (I) (Instr. 4)	Beneficial Ownership
					Code	v	(A)	(D)	Date Exercisabl		xpiration ate	Title	Amour or Number of Shares	r					
Stock Option	\$5.1	12/14/2006			A		125,000		(1)	1:	2/14/2016	common stock	125,00	00	\$0.00	125,000	)	D	

## Explanation of Responses:

1. The option vests quarterly over four years beginning with the quarter ending March 14, 2007.

## Remarks:

Robert Karr

 $\underline{12/18/2006}$ 

\*\* 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.