## 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 <sup>*</sup> ANDERSEN ROBERT G (Last) (First) (Middle) C/O IDERA PHARMACEUTICALS, INC. 345 VASSAR STREET (Street) CAMBRIDGE MA 02139 (City) (State) (Zip)						<ul> <li>2. Issuer Name and Ticker or Trading Symbol IDERA PHARMACEUTICALS, INC. [ IDP ]</li> <li>3. Date of Earliest Transaction (Month/Day/Year) 12/15/2005</li> <li>4. If Amendment, Date of Original Filed (Month/Day/Year)</li> </ul>								(Che	Relationship of Reporting Person(s) to Issuer heck all applicable) Director 10% Owner X Officer (give title Other (specify below) below) CFO & VP Oper, and Planning Individual or Joint/Group Filing (Check Applicable re) X Form filed by One Reporting Person Form filed by More than One Reporting Person				wner specify g pplicable on	
Table I - Non-Derivative Securities Acquired, Disposed of, or Beneficially Owned																				
1. Title of Security (Instr. 3) 2. Transacti Date (Month/Day						Execution Date,						ities Acquired (A) o d Of (D) (Instr. 3, 4			5. Amou Securiti Benefici Owned	ies Fo ially (D) Inc		n: Direct or rect (I)	7. Nature of Indirect Beneficial Ownership	
									Code	v	Amount	(A) (D)	or P	rice	Followi Reporte Transac (Instr. 3	ed ction(s)		tr. 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. Transaction Code (Instr. 8)		n of		6. Date Exercisable ar Expiration Date (Month/Day/Year)			7. Title and Amount of Securities Underlying Derivative Security (Instr. 3 and 4)			8. Price of Derivative Security (Instr. 5)	9. Number of derivative Securities Beneficially Owned Following Reported Transaction(s (Instr. 4)		Ownership Form: Direct (D) or Indirect (I) (Instr. 4)	Beneficial Ownership	
				Code	v	(A)	(D)	Date Exercisabl		xpiration Date	Title	Amo or Num of Shar	ber							
Stock Option (right to buy)	\$0.53	12/15/2005			А		200,000		(1)	1	2/15/2015	common stock	200,	000	\$0.00	200,000	0	D		

## Explanation of Responses:

1. The option vests quarterly over four years beginning with the quarter ending March 15, 2006.

Remarks:

Robert G. Andersen

\*\* Signature of Reporting Person

Reminder: Report on a separate line for each class of securities beneficially owned directly or indirectly.

 $^{\ast}$  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.

12/19/2005

Date