FORM 4

UNITED STATES SECURITIES AND EXCHANGE COMMISSION

Washington, D.C. 20549

OMB APPROVAL									
OMB Number: 3235-0									
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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* Casey Mark J						2. Issuer Name and Ticker or Trading Symbol IDERA PHARMACEUTICALS, INC. [IDRA]										all app	olicable) ctor		Owner
(Last) (First) (Middle) C/O IDERA PHARMACEUTICALS, INC.						3. Date of Earliest Transaction (Month/Day/Year) 05/12/2016									X	Officer (give title below) Senior VP & Gene		belov	,
167 SIDNEY STREET ——————————————————————————————————					4. If A	4. If Amendment, Date of Original Filed (Month/Day/Year)									6. Individual or Joint/Group Filing (Check App Line)				
(Street) CAMBRIDGE MA 02139														X	X Form filed by One Reporting Person Form filed by More than One Reporting Person				
(City)	(St	ate) (Z	Zip)																
		Tabl	e I - N	lon-Deriv	ative S	Secu	rities	s Acc	quired,	Disp	osed o	f, o	r Ben	eficia	ally	Owne	ed		
1. Title of Security (Instr. 3) 2. Transaction Date (Month/Day/					y/Year)	Execution Date,			3. Transaction Code (Instr. 8) 4. Securities Acquired (Disposed Of (D) (Instr. and 5)						3, 4 S			6. Ownership Form: Direct (D) or Indirect (I) (Instr. 4)	7. Nature of Indirect Beneficial Ownership (Instr. 4)
									Code	v	Amount		(A) or (D)	Price		Following Reported Transaction(s) (Instr. 3 and 4)		(11150: 4)	(111501. 4)
Common Stock 05/12/20					016				P		34,450	,450 A \$		\$1.4	4 ⁽¹⁾	34,450		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 or Exercise (Month/Day/Year) 2. 3) Price of Derivative Security Description Date (Month/Day/Year) Execution Date, if any (Month/Day/Year)			ransaction of Derivative Securities Acquired (A) or Disposed of (D) (Instr. 3, 4 and 5)		ative rities ired sed	6. Date Exercisable and Expiration Date (Month/Day/Year) Date Exercisable Expiration Date			7. Title and Amount of Securities Underlying Derivative Security (Instr 3 and 4)		nstr.	t		9. Number of derivative Securities Beneficially Owned Following Reported Transaction (Instr. 4)	Ownership Form: Direct (D) or Indirect (I) (Instr. 4)	11. Nature of Indirect Beneficial Ownership (Instr. 4)		

Explanation of Responses:

1. The transaction reported herein reflects an aggregate purchase of shares at per share prices ranging from \$1.35 to \$1.48 inclusive. The Reporting Person further undertakes to provide, upon request by the Commission staff, the Issuer, or a security holder of the Issuer, full disclosure with respect to the manner of shares purchased at each separate price.

<u>/s/ Mark J Casey</u> <u>05/12/2016</u>

** 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.