FORM 4

UNITED STATES SECURITIES AND EXCHANGE COMMISSION

Washington, D.C. 20549

STATEMENT OF CHANGES IN BENEFICIAL OWNERSHIP

l	OMB APPRO	VAL							
l	OMB Number: 3235-0								
l	Estimated average burden								
l	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).

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				<u> 11</u>	2. Issuer Name and Ticker or Trading Symbol IDERA PHARMACEUTICALS, INC. [IDRA]							S. Relationship of Reporting Person(s) to Issuer (Check all applicable) Director 10% Owner Officer (give title Other (specify)					
(Last) (First) (Middle) C/O IDERA PHARMACEUTICALS, INC. 167 SIDNEY STREET				0:	3. Date of Earliest Transaction (Month/Day/Year) 01/03/2018							X Office (give title Office (specify below) Senior VP & General Counsel					
(Street) CAMBRIDGE MA 02139 (City) (State) (Zip)				4.	4. If Amendment, Date of Original Filed (Month/Day/Year)							ndividual or Joint/Group Filing (Check Applicable e) X Form filed by One Reporting Person Form filed by More than One Reporting Person					
		Ta	ble I - Non-De	rivati	ve Se	ecurities	s Ac	quired, D	sposed o	f, or Be	neficially	Owned					
1. Title of Security (Instr. 3) 2. Transa Date (Month/D				•		2A. Deemed Execution Date if any (Month/Day/Yea		r, Transaction Disposed C Code (Instr.		ities Acquired (A) or d Of (D) (Instr. 3, 4 and		5. Amoun Securities Beneficia Owned Fo	s For ally (D) ollowing (I) (I		m: Direct or Indirect Instr. 4)	7. Nature of Indirect Beneficial Ownership (Instr. 4)	
								Code V	Amount	(A) or (D)	r Price	Transacti (Instr. 3 a	on(s)			11150.4)	
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		3A. Deemed Execution Date, if any (Month/Day/Year)	Code (Instr.		5. Number of Derivative Securities Acquired (A) or Disposed of (D) (Instr. 3, 4 and 5)		6. Date Exercisable and 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	ly	10. Ownership Form: Direct (D) or Indirect (I) (Instr. 4)	Beneficial Ownership (Instr. 4)	
				Code	v	(A)	(D)	Date Exercisable	Expiration Date	Title	Amount or Number of Shares		(Instr. 4)	лі(э)			
Stock Option	\$2.24	01/03/2018		A		270,000		(1)	01/03/2028	Common Stock	270,000	\$2.24	270,000	0	D		

Explanation of Responses:

1. This option was granted under the Company's 2013 Stock Incentive Plan. The options vest with respect to 25% of the underlying shares on the first anniversary of the date of grant and the balance of the underlying shares vest in twelve equal quarterly installments following the first anniversary of the date of grant.

/s/ Mark J Casey

01/05/2018

** 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.