FORM 4

UNITED STATES SECURITIES AND EXCHANGE COMMISSION

Washington, D.C. 20549

	OMB APPROVAL			
STATEMENT OF CHANGES IN BENEFICIAL OWNERSHIP	OMB Number:	3235-028		

37 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).

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* Horobin Joanna				<u>I</u>	2. Issuer Name and Ticker or Trading Symbol IDERA PHARMACEUTICALS, INC. [IDRA]								heck a	all applic Directo	,	Perso	on(s) to Issu 10% Ow Other (s	ner
(Last) (First) (Middle) C/O IDERA PHARMACEUTICALS, INC. 505 EAGLEVIEW BLVD., SUITE 212				3. Date of Earliest Transaction (Month/Day/Year) 08/13/2018								X Oliticer (give title Other (specify below) Chief Medical Officer						
(Street) EXTON (City)	PA (S		19341 (Zip)	4.	4. If Amendment, Date of Original Filed (Month/Day/Year)						6. Liı	ıe)	ividual or Joint/Group Filing (Check Applicable Form filed by One Reporting Person Form filed by More than One Reporting Person					
		Tab	le I - Non-E	Derivativ	/e Se	curities	s Acc	quired, D	Disp	osed o	f, or Be	neficia	lly O	wned				
Date				. Transactio ate Month/Day/	Execution Date,		3. Transaction Code (Instr. 8) 4. Securities Acquired (A Disposed Of (D) (Instr. 3, 5)				4 and Securiti		es Formally (D) Following (I) (I		Direct Indirect It. 4)	7. Nature of Indirect Beneficial Ownership		
							Code	v	Amount	nt (A) or Pi		Т	Transaction(s) (Instr. 3 and 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/Ye	Code	action (Instr.	of		6. Date Exercisable and Expiration Date (Month/Day/Year)			7. Title and Amour of Securities Underlying Derivative Security (Instr. 3 and 4)		Derivative Security		9. Number of derivative Securities Beneficially Owned Following Reported Transaction (Instr. 4)	y	10. Ownership Form: Direct (D) or Indirect (I) (Instr. 4)	11. Nature of Indirect Beneficial Ownership (Instr. 4)
				Code	v	(A)		Date Exercisable		xpiration ate	Title	Amount or Number of Shares						
Stock Option	\$7.39	08/13/2018		A		32,500		(1)	08	3/13/2028	Common Stock	32,500		\$0	32,500		D	

Explanation of Responses:

1. This option was granted under the Company's 2013 Stock Incentive Plan. The option vests 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/ Joanna Horobin

08/15/2018

** 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.