FORM 4

UNITED STATES SECURITIES AND EXCHANGE COMMISSION

Washington, D.C. 20549

STATEMENT OF CHANGES IN BENEFICIAL OWNERSHIP

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on, D.C. 20549	OMB APPROVAL

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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						2. Issuer Name and Ticker or Trading Symbol IDERA PHARMACEUTICALS, INC. [IDRA]									eck all applic	cable)	10% Owner		ner	
	ast) (First) (Middle) /O IDERA PHARMACEUTICALS, INC. 05 EAGLEVIEW BLVD., SUITE 212						3. Date of Earliest Transaction (Month/Day/Year) 01/03/2019									X Officer (give title Officer (specify below) Chief Medical Officer				
(Street) EXTON PA 19341				4.	4. If Amendment, Date of Original Filed (Month/Day/Year)									6. Individual or Joint/Group Filing (Check Applicable Line) X Form filed by One Reporting Person Form filed by More than One Reporting Person						
(City)	(S		(Zip) Ie I - Nor	n_Dori	vativ	o So	curitios	. Δca	uired [)ier	nosed o	of or	Rone	ficiall	v Owned	1				
1. Title of Security (Instr. 3) 2. Transac Date (Month/Date)				saction	n ear)	2A. Deemed Execution Date, if any (Month/Day/Year)		3. Transaction Code (Instr.		4. Securities Acquired (A) Disposed Of (D) (Instr. 3, 4			(A) or	5. Amou Securitie Benefici	int of 6. C es For ally (D) Following (I) (r Indirect rstr. 4)	7. Nature of Indirect Beneficial Ownership		
								Code	v	Amount	(A) or (D)		Price	Transact (Instr. 3	tion(s)			(Instr. 4)		
Common Stock 01/03				03/201	/2019		A		18,100	18,100 ⁽¹⁾ A		\$0	20,144(2)			D				
		-	Гable II -				urities <i>i</i> s, warra								Owned					
1. Title of Derivative Security (Instr. 3)	2. Conversion or Exercise Price of Derivative Security	3. Transaction Date (Month/Day/Year)	3A. Deemed Execution I if any (Month/Day	Date,	4. Transa Code (8)		of		6. Date Exercisable and Expiration Date (Month/Day/Year)			7. Title and Amour of Securities Underlying Derivative Securit (Instr. 3 and 4)			8. Price of Derivative Security (Instr. 5)	9. Number derivative Securities Beneficial Owned Following Reported Transactio (Instr. 4)	ly	10. Ownership Form: Direct (D) or Indirect (I) (Instr. 4)	Beneficial Ownership (Instr. 4)	
					Code	v	(A)		Date Exercisable		xpiration ate	Title	N O	Amount or Number of Shares						
Stock Option (Right to	\$3.14	01/03/2019			A		45,500		(3)	0	1/03/2029	Comn		15,500	\$0	45,500)	D		

Explanation of Responses:

- 1. Represents a restricted stock unit ("RSU") award granted under the Issuer's 2013 Stock Incentive Plan. Each RSU represents a right to receive one share of Issuer common stock. The RSU award vests over a four-year period commencing on January 3, 2019. Twenty-five percent (25%) of the shares subject to the RSU award shall vest on each one-year anniversary of the grant date of the award.
- 2. Securities beneficially owned totaling 20,144 includes 2,044 shares of Issuer common stock owned and 18,100 of unvested RSU's held by the reporting person.
- 3. The stock option award was granted under the Issuer's 2013 Stock Incentive Plan. The stock option vests and becomes exercisable over a four-year period commencing on January 3, 2019. Twenty-five percent (25%) of the stock option vests and becomes exercisable on January 3, 2020 (first anniversary of the date of grant) and the balance vests in twelve equal quarterly installments over the remaining three years of the four-year period, subject to continued service with the Issuer.

/s/ Joanna Horobin 01/07/2019

** 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.