

Horobin Joanna  
Form 4  
January 07, 2019

**FORM 4**

**UNITED STATES SECURITIES AND EXCHANGE COMMISSION  
Washington, 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).

**STATEMENT OF CHANGES IN BENEFICIAL OWNERSHIP OF SECURITIES**

Filed pursuant to Section 16(a) of the Securities Exchange Act of 1934, Section 17(a) of the Public Utility Holding Company Act of 1935 or Section 30(h) of the Investment Company Act of 1940

(Print or Type Responses)

1. Name and Address of Reporting Person \*  
Horobin Joanna

2. Issuer Name and Ticker or Trading Symbol  
IDERA PHARMACEUTICALS, INC. [IDRA]

5. Relationship of Reporting Person(s) to Issuer  
(Check all applicable)  
 Director  10% Owner  
 Officer (give title below)  Other (specify below)  
Chief Medical Officer

(Last) (First) (Middle)  
C/O IDERA  
PHARMACEUTICALS, INC., 505  
EAGLEVIEW BLVD., SUITE 212  
(Street)

3. Date of Earliest Transaction (Month/Day/Year)  
01/03/2019

EXTON, PA 19341  
(City) (State) (Zip)

4. If Amendment, Date Original Filed(Month/Day/Year)

6. Individual or Joint/Group Filing(Check Applicable Line)  
 Form filed by One Reporting Person  
 Form filed by More than One Reporting Person

**Table I - Non-Derivative Securities Acquired, Disposed of, or Beneficially Owned**

1. Title of Security (Instr. 3)	2. Transaction Date (Month/Day/Year)	2A. Deemed Execution Date, if any (Month/Day/Year)	3. Transaction Code (Instr. 8)	4. Securities Acquired (A) or Disposed of (D) (Instr. 3, 4 and 5)	5. Amount of Securities Beneficially Owned Following Reported Transaction(s) (Instr. 3 and 4)	6. Ownership Form: Direct (D) or Indirect (I) (Instr. 4)	7. Nature of Ownership (Instr. 4)
Common Stock	01/03/2019		A	(A) or (D) A	Amount 18,100 (1) Price \$ 0	20,144 (2)	D

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

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SEC 1474 (9-02)

**Table II - Derivative Securities Acquired, Disposed of, or Beneficially Owned (e.g., puts, calls, warrants, options, convertible securities)**

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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)	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 Underlying Securities (Instr. 3 and 4)	8. Amount or Number of Shares
Stock Option (Right to Buy)	\$ 3.14	01/03/2019		A	45,500	(3) 01/03/2029	Common Stock	45,500

## Reporting Owners

Reporting Owner Name / Address	Relationships			
	Director	10% Owner	Officer	Other
Horobin Joanna C/O IDERA PHARMACEUTICALS, INC. 505 EAGLEVIEW BLVD., SUITE 212 EXTON, PA 19341			Chief Medical Officer	

## Signatures

/s/ Joanna Horobin  
 01/07/2019  
 \*\*Signature of Reporting Person Date

## Explanation of Responses:

- \* 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).
- (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.

Note: File three copies of this Form, one of which must be manually signed. If space is insufficient, see Instruction 6 for procedure. Potential persons who are to respond to the collection of information contained in this form are not required to respond unless the form displays a currently valid OMB number.