

OMB APPROVAL	
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INITIAL STATEMENT OF BENEFICIAL OWNERSHIP OF SECURITIES

Filed pursuant to Section 16(a) of the Securities Exchange Act of 1934 or Section 30(h) of the Investment Company Act of 1940

1. Name and Address of Reporting Person* <u>Kirby John J.</u> _____ (Last) (First) (Middle) C/O IDERA PHARMACEUTICALS, INC. 505 EAGLEVIEW BLVD., SUITE 212 _____ (Street) EXTON PA 19341 _____ (City) (State) (Zip)	2. Date of Event Requiring Statement (Month/Day/Year) 10/31/2018	3. Issuer Name and Ticker or Trading Symbol <u>IDERA PHARMACEUTICALS, INC. [IDRA]</u>	
		4. Relationship of Reporting Person(s) to Issuer (Check all applicable) Director 10% Owner <input checked="" type="checkbox"/> Officer (give title below) Other (specify below) V.P. of Finance, PFO & PAO	5. If Amendment, Date of Original Filed (Month/Day/Year) 6. Individual or Joint/Group Filing (Check Applicable Line) <input checked="" type="checkbox"/> Form filed by One Reporting Person Form filed by More than One Reporting Person

Table I - Non-Derivative Securities Beneficially Owned

1. Title of Security (Instr. 4)	2. Amount of Securities Beneficially Owned (Instr. 4)	3. Ownership Form: Direct (D) or Indirect (I) (Instr. 5)	4. Nature of Indirect Beneficial Ownership (Instr. 5)
Common Stock	2,259 ⁽¹⁾	D	

Table II - Derivative Securities Beneficially Owned (e.g., puts, calls, warrants, options, convertible securities)

1. Title of Derivative Security (Instr. 4)	2. Date Exercisable and Expiration Date (Month/Day/Year)		3. Title and Amount of Securities Underlying Derivative Security (Instr. 4)	4. Conversion or Exercise Price of Derivative Security	5. Ownership Form: Direct (D) or Indirect (I) (Instr. 5)	6. Nature of Indirect Beneficial Ownership (Instr. 5)
	Date Exercisable	Expiration Date				
Stock Option (Right to Buy)	(2)(3)	11/02/2025	Common Stock	18,750 24.88	D	
Stock Option (Right to Buy)	(2)(4)	01/06/2026	Common Stock	11,249 23.04	D	
Stock Option (Right to Buy)	(2)(5)	01/04/2027	Common Stock	12,499 12.72	D	
Stock Option (Right to Buy)	(2)(6)	01/03/2028	Common Stock	16,874 17.92	D	
Stock Option (Right to Buy)	(2)(7)	08/13/2028	Common Stock	10,000 7.39	D	

Explanation of Responses:

- Includes 1,809 shares purchased through the Company's 1995 and 2017 Employee Stock Purchase Plans.
- Option vests over a four-year period commencing on the grant date. 25% vests on the first anniversary date of grant with the balance vesting in equal quarterly installments over the remaining three years of the four-year vesting period.
- Grant date 11/2/15.
- Grant date 1/6/16.
- Grant date 1/4/17.
- Grant date 1/3/18.
- Grant date 8/13/18.

/s/ John J. Kirby 11/02/2018
 ** 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 5 (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.

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