FORM 4

UNITED STATES SECURITIES AND EXCHANGE COMMISSION

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

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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* Kirby John J.						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 X Officer (give title Other (specify					
(Last)	Last) (First) (Middle)				Date of Earliest Transaction (Month/Day/Year)									Λ	belov)) F FINAN	CIAL	below)	, j
505 EAGLEVIEW BOULEVARD						03/25/2021									CITIE	T THE	CIAL	OFFICE	
SUITE 212																			
						4. If Amendment, Date of Original Filed (Month/Day/Year)								6. Individual or Joint/Group Filing (Check Applicable Line)					
(Street)	EXTON PA 19341				X Form filed by One Repo								e Report	ting Pers	on				
,———	1701 171 15041												Form filed by More than One Reporting Person						
(City)	(State) (Zip)				. 5.55														
Table I - Non-Derivative Securities Acquired, Disposed of, or Beneficially Owned																			
1. Title of Security (Instr. 3) 2. Transaction Date (Month/Day/						Execu		emed tion Date, n/Day/Year)		Transaction Di		4. Securities Acquired (A) Disposed Of (D) (Instr. 3, 4 5)		and Secur Benef		cially Following	6. Ownership Form: Direct (D) or Indirect (I) (Instr. 4)		7. Nature of Indirect Beneficial Ownership (Instr. 4)
									Code	v	Amount	(A) or (D) Pri		!	Transa	ction(s) 3 and 4)			(111501.4)
Common Stock 03/25/20					021)21					6,250(1)	D	\$1.4	201	2'	27,632)	
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)	if any	eemed tion Date, n/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 Exerc Expiration D (Month/Day/		ate	7. Title and Amount of Securities Underlying Derivative Security (Inst 3 and 4)		Der Sec (Ins	Price of rivative curity str. 5)	9. Number derivative Securities Beneficially Owned Following Reported Transaction (Instr. 4)	y Dii or (I)	10. Ownership Form: Direct (D) or Indirect (I) (Instr. 4)	11. Nature of Indirect Beneficial Ownership (Instr. 4)
					Code	v	(A)	(D)	Date Exerci	sable	Expiration Date	Title	or Number of Shares						

Explanation of Responses:

1. Restricted Stock Units ("RSUs") granted to Reporting Person on January 3, 2019 and January 10, 2020 were accelerated and became fully vested on March 23, 2021. The amount reported in Column 4 represents the number of shares of Issuer common stock required to be sold by the Reporting Person to cover tax withholding obligations in connection with the vesting of 20,125 RSUs on March 23, 2021. This sale is mandated by the Issuer's election under its 2013 Stock Incentive Plan to require the satisfaction of tax withholding obligations to be funded by a "sell to cover" transaction and does not represent a discretionary trade by the Reporting Person.

/s/ John J. Kirby

03/29/2021

** Signature of Reporting Person

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.