## SEC Form 4

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## 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

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

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OMB Number:	3235-0287					
Estimated average burden						
hours per response:	0.5					

1. Name and Address of Reporting Person* CROOKE STANLEY T		rson <sup>*</sup>	2. Issuer Name and Ticker or Trading Symbol IONIS PHARMACEUTICALS INC [ IONS	5. Relationship of Reporting Person(s) to Issuer (Check all applicable)				
CROOKE S	IANLEY I			X	Director	10% Owner		
(Last)	(First)	(Middle)		X	Officer (give title below)	Other (specify below)		
C/O IONIS PHARMACEUTICALS, INC.			3. Date of Earliest Transaction (Month/Day/Year)	Chairman and CEO				
		1110, 11(0.	01/29/2018					
2855 GAZELLI	E COURT							
-			4. If Amendment, Date of Original Filed (Month/Day/Year)	6. Indiv	vidual or Joint/Group Filir	ng (Check Applicable		
(Street)			01/29/2018	Line)				
CARLSBAD	CA	92010		X	Form filed by One Rep	porting Person		
	-		-		Form filed by More that Person	an One Reporting		
(City)	(State)	(Zip)						

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

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1. Title of Security (Instr. 3)	2. Transaction Date (Month/Day/Year)	2A. Deemed Execution Date, if any (Month/Day/Year)	Transaction Code (Instr.		4. Securities Acquired (A) or Disposed Of (D) (Instr. 3, 4 and 5)		5. Amount of Securities Beneficially Owned Following	6. Ownership Form: Direct (D) or Indirect (I) (Instr. 4)	7. Nature of Indirect Beneficial Ownership	
			Code	v	Amount	(A) or (D)	Price	Reported Transaction(s) (Instr. 3 and 4)		(Instr. 4)
Common Stock	01/29/2018	01/29/2018	<b>M</b> <sup>(1)</sup>		10,000 <sup>(1)</sup>	A	\$14.69	61,733	D	
Common Stock	01/29/2018	01/29/2018	S <sup>(1)</sup>		10,000(1)	D	\$54.12	51,733	D	
Common Stock	01/29/2018	01/29/2018	<b>M</b> <sup>(2)</sup>		1,000(2)	A	\$10.82	5,128	I	By wife
Common Stock	01/29/2018	01/29/2018	<b>S</b> <sup>(2)</sup>		1,000(2)	D	\$54.12	4,128	I	By wife
Common Stock								725,391	I	By trust

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

3A. Deemed 8. Price of 9. Number of 1. Title of 3. Transaction 5. Number 6. Date Exercisable and 7. Title and Amount 10. 11. Nature Derivative Security (Instr. 3) of Securities Underlying of Indirect Conversion Execution Date, Transaction Expiration Date (Month/Day/Year) Derivative Ownership derivative (Month/Day/Year) Derivative or Exercise Code (Instr. Security Securities Beneficial if any Form: Direct (D) or Indirect (I) (Instr. 4) Price of Derivative Security (Month/Day/Year) 8) Securities **Derivative Security** (Instr. 5) Beneficially Ownership Acquired (A) or Disposed Owned Following (Instr. 3 and 4) (Instr. 4) Reported Transaction(s) of (D) (Instr. 3, 4 and 5) (Instr. 4) Amount Number Date Expiration Date of Title Code v (A) (D) Exercisable Shares Employee Stock Option Commo \$14.69 01/29/2018 01/29/2018 10,000 01/02/2017 01/29/2020 10,000 26,642 D Μ \$<mark>0</mark> Stock (right to buy) Employee Stock Commor 1,000 Option \$10.82 01/29/2018 01/29/2018 Μ 1,000 01/02/2017 01/01/2020 \$<mark>0</mark> 6,904 I By wife Stock (right to buy)

Explanation of Responses:

1. Acquired as a result of exercising a stock option pursuant to Rule 10b5-1 Trading Plan. The purchase and sale reported on this Form 4 was effective pursuant to Rule 10b5-1 Trading Plan adopted by the reporting person on 6/20/2016.

2. Acquired as a result of exercising a stock option pursuant to Rule 10b5-1 Trading Plan. The purchase and sale reported on this Form 4 was effective pursuant to Rule 10b5-1 Trading Plan adopted by the reporting person's wife on 6/17/2016.

**Remarks:** 



\*\* Signature of Reporting Person

01/31/2018

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.