SEC Form 4

 \Box

FORM 4

UNITED STATES SECURITIES AND EXCHANGE COMMISSION

Washington, D.C. 20549

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

OMB APPROVAL											
OMB Number:	3235-0287										
Estimated average burden											

Estimated average burden	
hours per response:	0.5

1. Name and Address of Reporting Person [*] CROOKE STANLEY T			2. Issuer Name and Ticker or Trading Symbol IONIS PHARMACEUTICALS INC [IONS	5. Relationship of Reporting Person(s) to Issuer (Check all applicable)					
				X	Director	10% Owner			
(Last) (First) (Middle)		(Middle)		x	Officer (give title below)	Other (specify below)			
C/O IONIS PHARMACEUTICALS, INC.		()	3. Date of Earliest Transaction (Month/Day/Year) 11/09/2016	Chairman and CEO					
2855 GAZELLE COURT									
(Street)			4. If Amendment, Date of Original Filed (Month/Day/Year)	6. Indi Line)	vidual or Joint/Group Filii	ng (Check Applicable			
CARLSBAD	CA	92010		X	Form filed by One Re	porting Person			
		(- :)			Form filed by More the Person	an One Reporting			
(City)	(State)	(Zip)							

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 / Disposed Of (5. Amount of Securities Beneficially Owned Following Reported	6. Ownership Form: Direct (D) or Indirect (I) (Instr. 4)	7. Nature of Indirect Beneficial Ownership (Instr. 4)	
			Code	v	Amount	(A) or (D)	Price	Transaction(s) (Instr. 3 and 4)		(1150.4)	
Common Stock	11/09/2016	11/09/2016	M ⁽¹⁾		10,000(1)	A	\$10.29	35,029	D		
Common Stock	11/09/2016	11/09/2016	S ⁽¹⁾		10,000(1)	D	\$35.55(2)	25,029	D		
Common Stock	11/09/2016	11/09/2016	M ⁽¹⁾		6,259 ⁽¹⁾	A	\$10.29	31,288	D		
Common Stock	11/09/2016	11/09/2016	S ⁽¹⁾		6,259 ⁽¹⁾	D	\$37.1 ⁽³⁾	25,029	D		
Common Stock	11/09/2016	11/09/2016	M ⁽¹⁾		3,741 ⁽¹⁾	A	\$7.25	28,770	D		
Common Stock	11/09/2016	11/09/2016	S ⁽¹⁾		3,741 ⁽¹⁾	D	\$37.5	25,029	D		
Common Stock	11/09/2016	11/09/2016	M ⁽⁴⁾		1,000(4)	A	\$10.29	3,170	I	By wife	
Common Stock	11/09/2016	11/09/2016	S ⁽⁴⁾		1,000(4)	D	\$35.1	2,170	I	By wife	
Common Stock	11/09/2016	11/09/2016	M ⁽⁴⁾		1,000 ⁽⁴⁾	A	\$10.29	3,170	Ι	By wife	
Common Stock	11/09/2016	11/09/2016	S ⁽⁴⁾		1,000 ⁽⁴⁾	D	\$37.25(5)	2,170	Ι	By wife	
Common Stock	11/10/2016	11/10/2016	M ⁽¹⁾		10,000(1)	A	\$7.25	35,029	D		
Common Stock	11/10/2016	11/10/2016	S ⁽¹⁾		10,000(1)	D	\$40.23(6)	25,029	D		
Common Stock	11/10/2016	11/10/2016	M ⁽⁴⁾		1,000 ⁽⁴⁾	A	\$10.29	3,170	I	By wife	
Common Stock	11/10/2016	11/10/2016	S ⁽⁴⁾		1,000(4)	D	\$42.22	2,170	I	By wife	
Common Stock								725,391	Ι	By trust	

 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)	3A. Deemed Execution Date, if any (Month/Day/Year)	4. Transa Code (8)		of Deri Sec Acq (A) o Disp of (I	of Expiration Date C Derivative (Month/Day/Year) U Securities [7. Title and Amount of Securities Underlying Derivative Security (Instr. 3 and 4)		8. Price of Derivative Security (Instr. 5)	9. Number of derivative Securities Beneficially Owned Following Reported Transaction(s) (Instr. 4)	10. Ownership Form: Direct (D) or Indirect (I) (Instr. 4)	11. Nature of Indirect Beneficial Ownership (Instr. 4)	
				Code	v	(A)	(D)	Date Exercisable	Expiration Date	Title	Amount or Number of Shares				
Employee Stock Option (right to buy)	\$10.29	11/09/2016	11/09/2016	М			16,259	01/03/2015	01/02/2018	Common Stock	16,259	\$0	0	D	
Employee Stock Option (right to buy)	\$7.25	11/09/2016	11/09/2016	М			3,741	01/03/2016	01/02/2019	Common Stock	3,741	\$0	103,462	D	

	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)	3A. Deemed Execution Date, if any (Month/Day/Year)	4. Transa Code (8)		of Deri Sec Acq (A) (Disp of (I	umber vative urities uired or oosed O) (Instr. and 5)	Expiration Date (Month/Day/Year)		Expiration Date		Expiration Date		e and 7. Title and Amour of Securities Underlying Derivative Securit (Instr. 3 and 4)		8. Price of Derivative Security (Instr. 5)	9. Number of derivative Securities Beneficially Owned Following Reported Transaction(s) (Instr. 4)	10. Ownership Form: Direct (D) or Indirect (I) (Instr. 4)	11. Nature of Indirect Beneficial Ownership (Instr. 4)
				Code	v	(A)	(D)	Date Exercisable	Expiration Date	Title	Amount or Number of Shares								
Employee Stock Option (right to buy)	\$10.29	11/09/2016	11/09/2016	М			2,000	01/03/2015	01/02/2018	Common Stock	2,000	\$0	6,500	I	By wife				
Employee Stock Option (right to buy)	\$7.25	11/10/2016	11/10/2016	М			10,000	01/03/2016	01/02/2019	Common Stock	10,000	\$0	93,462	D					
Employee Stock Option (right to buy)	\$10.29	11/10/2016	11/10/2016	М			1,000	01/03/2015	01/02/2018	Common Stock	1,000	\$0	5,500	I	By wife				

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 9/21/2015.

2. The sale was a result of shares owned. The price reported in Column 4 is a weighted average price. These shares were sold in multiple transactions at prices ranging from \$35.10 to \$36.00, inclusive. The reporting person undertakes to provide to Ionis Pharmaceuticals, Inc., any security holder of Ionis Pharmaceuticals, Inc. or the staff of the Securities and Exchange Commission, upon request, full information regarding the number of shares sold at each separate price within the ranges set forth in footnote (2) on this Form 4.

3. The price reported in Column 4 is a weighted average price. These shares were sold in multiple transactions at prices ranging from \$37.00 to \$37.50, inclusive. The reporting person undertakes to provide to Ionis Pharmaceuticals, Inc., any security holder of Ionis Pharmaceuticals, Inc. or the staff of the Securities and Exchange Commission, upon request, full information regarding the number of shares sold at each separate price within the ranges set forth in footnote (3) on this Form 4.

4. 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 9/21/2016.

5. The price reported in Column 4 is a weighted average price. These shares were sold in multiple transactions at prices ranging from \$37.00 to \$37.50, inclusive. The reporting person's wife undertakes to provide to Ionis Pharmaceuticals, Inc., any security holder of Ionis Pharmaceuticals, Inc. or the staff of the Securities and Exchange Commission, upon request, full information regarding the number of shares sold at each separate price within the ranges set forth in footnote (5) on this Form 4.

6. The price reported in Column 4 is a weighted average price. These shares were sold in multiple transactions at prices ranging from \$40.22 to \$40.33, inclusive. The reporting person undertakes to provide to Ionis Pharmaceuticals, Inc., any security holder of Ionis Pharmaceuticals, Inc. or the staff of the Securities and Exchange Commission, upon request, full information regarding the number of shares sold at each separate price within the ranges set forth in footnote (6) on this Form 4.

Remarks:

<u>/s/B. Lynne Parshall, attorney-</u> in-fact

11/11/2016

** 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.