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

OMB APPROVAL									
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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

1. Name and Address of Reporting Person* Monia Brett P (Last) (First) (Middle) C/O IONIS PHARMACEUTICALS, INC.					<u>I(</u>	Issuer Name and Ticker or Trading Symbol IONIS PHARMACEUTICALS INC [IONS] 3. Date of Earliest Transaction (Month/Day/Year) 01/01/2019								Director Officer (below)			10% Ow Other (s below)	ner
2855 GAZELLE COURT (Street) CARLSBAD CA 92010				4.	4. If Amendment, Date of Original Filed (Month/Day/Year)								ndividual or Joint/Group Filing (Check Applicable e) X Form filed by One Reporting Person Form filed by More than One Reporting Person					
(City)	(5	State)	(Zip)															
1. Title of Security (Instr. 3) 2. Tr. Date			2. Trans Date	sactio	action ZA. Deemed Execution Day/Year) (Month/Day/Year		3. Transaction Code (Instr. 8)		4. Securiti	ecurities Acquired (A) occord Of (D) (Instr. 3, 4		5. Amoun	s Forn (I) (I) (Ir on(s)		: Direct I Indirect I str. 4)	7. Nature of ndirect Beneficial Ownership Instr. 4)		
Common Stock 01/				01/01	1/20	/2019 01/01/2019		J ⁽¹⁾	V	210(1)	- ` ` 	\$36.448	, ,			D		
Common Stock 01/02				2/20	2/2019 01/02/2019		S ⁽³⁾		214 ⁽³⁾	D	\$53.5	15,837			D			
			Table II -								osed of, convertil			Owned				
1. Title of Derivative Security (Instr. 3)	2. Conversion or Exercise Price of Derivative Security	3. Transaction Date (Month/Day/Year)	3A. Deemed Execution Da if any (Month/Day/Y	Co	Transaction Code (Instr.		Derivative		6. Date Exercisable and Expiration Date (Month/Day/Year)			7. Title and Amount of Securities Underlying Derivative Security (Instr. 3 and 4)		8. Price of Derivative Security (Instr. 5)	9. Number derivative Securitie Beneficia Owned Following Reported	e s ally g	10. Ownership Form: Direct (D) or Indirect (I) (Instr. 4)	Beneficial Ownership ct (Instr. 4)
				Co	ode	v	(A)	(D)	Date Exercisab		Expiration Date	Title	Amount or Number of Shares		Transact (Instr. 4)	ion(s)		
Employee Stock Option (right to buy)	\$53.77	01/02/2019	01/02/2019	9 .	A		102,900		01/02/202	0(2)	01/01/2026	Common Stock	102,900	\$0	102,9	00	D	

Explanation of Responses:

- 1. Reporting shares acquired under the Ionis Pharmaceuticals, Inc. Amended and Restated 2000 Employee Stock Purchase Plan on January 1, 2019. These shares may not be sold until July 2, 2019.
- 2. Grant of 01/02/2019 to reporting person of stock options under the Ionis Pharmaceuticals, Inc. 2011 Equity Incentive Plan. 25% of the shares subject to the option vest and become exercisable on 01/02/2020. Thereafter, the remaining shares subject to the option vest and become exercisable in 36 equal monthly installments over the next 3 years. Following this transaction, the option was exercisable as to 0 on 01/02/2019.
- $3. \ The \ Sale \ reported in this Form \ 4 \ was \ effected pursuant to \ a \ Rule \ 10b5-1 \ Trading \ Plan \ adopted \ by \ the \ reporting \ person \ on \ 07/01/2014.$

Remarks:

/s/Patrick R. O'Neil, attorney-in-01/03/2019 <u>fact</u>

** 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.

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