FORM 4

UNITED STATES SECURITIES AND EXCHANGE COMMISSION

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* PARSHALL B LYNNE (Last) (First) (Middle) C/O IONIS PHARMACEUTICALS, INC. 2855 GAZELLE COURT (Street)					3. E 01/	2. Issuer Name and Ticker or Trading Symbol IONIS PHARMACEUTICALS INC [IONS] 3. Date of Earliest Transaction (Month/Day/Year) 01/15/2021 4. If Amendment, Date of Original Filed (Month/Day/Year)								(Che X	S. Relationship of Reporting Person(s) to Issuer (Check all applicable) X Director 10% Owner Officer (give title below) Other (specify below) 6. Individual or Joint/Group Filing (Check Applicable Line)				
CARLSI (City)			92010 (Zip)		-									X	X Form filed by One Reporting Person Form filed by More than One Reporting Person				
		Tab	le I - Noi	n-Deriv	vative	e Se	curit	ies Acc	auired.	Dis	posed o	f. or B	enef	icially	/ Owned				
1. Title of Security (Instr. 3) 2. Transac Date (Month/Da				action	ction 2A. Deemed Execution Date		emed on Date,	3. Transaction Code (Instr.		4. Securities Acquired (A) Disposed Of (D) (Instr. 3, 4			or 5. Amou Securitie Beneficia		int of 6. Cles For (D) Following (I) (n: Direct r Indirect estr. 4)	7. Nature of Indirect Beneficial Ownership (Instr. 4)	
									Code	v	Amount	(A) (D)	or P	rice	Transact	Transaction(s)			(
Common Stock 01/15/2					5/2021	2021 01/15/2		5/2021	M ⁽¹⁾	M ⁽¹⁾		(1) A	A \$0		68,119		D		
Common Stock 01/15/2					5/2021	2021 01/15		5/2021	F ⁽²⁾		2,741	(2) D		\$61.28	65,378		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 (I 8)		on of		6. Date Exercisabl Expiration Date (Month/Day/Year)		of Securities		urity	B. Price of Derivative Security Instr. 5)	9. Number derivative Securities Beneficial Owned Following Reported Transactio (Instr. 4)	ly	10. Ownership Form: Direct (D) or Indirect (I) (Instr. 4)	Beneficial Ownership t (Instr. 4)	
					Code	v	(A)		Date Exercisa		Expiration Date	Title	or Nu of	nount mber ares					
Restricted Stock Units	(3)	01/15/2021	01/15/2	021	M			10,655	(4)		(4)	Commo Stock	10	,655	\$0	5,754		D	

Explanation of Responses:

- 1. Acquired pursuant to vesting and release of shares in accordance with Restricted Stock Unit awards.
- 2. Shares withheld to cover the required tax withholding obligations pursuant to the Ionis Pharmaceuticals, Inc. Amended and Restated 2011 Equity Incentive Plan.
- 3. Each Restricted Stock Unit represents a contingent right to receive one share of Ionis common stock, or its equivalent cash value.
- 4. Restricted Stock Units vest in four equal monthly installments. Upon vesting, the Restricted Stock Units will be paid out in whole shares of Ionis common stock or cash as may be determined by Ionis.

Remarks:

/s/Patrick R. O'Neil, attorney-

01/20/2021

in-fact

** 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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