FORM 4

UNITED STATES SECURITIES AND EXCHANGE COMMISSION

Washington, D.C. 20549

OMB APPROVAL									
OMB Number:	3235-0287								
Estimated average burden									
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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

1. Name and Address of Reporting Person* Monia Brett P							2. Issuer Name and Ticker or Trading Symbol IONIS PHARMACEUTICALS INC IONS									of Reporting Person(s) to Issue cable) or 10% Own (give title Other (sp.		vner	
(Last) (First) (Middle) 2855 GAZELLE COURT						3. Date of Earliest Transaction (Month/Day/Year) 12/20/2023									below)		utive	below) Officer	
(Street)	reet) ARLSBAD CA 92010				_ 4.	4. If Amendment, Date of Original Filed (Month/Day/Year)									vidual or Joint/Group Filing (Check Applicable Form filed by One Reporting Person Form filed by More than One Reporting				
(City) (State) (Zip)						Rule 10b5-1(c) Transaction Indication Check this box to indicate that a transaction was made pursuant to a contract, instruction or written plan that is intended to satisfy the affirmative defense conditions of Rule 10b5-1(c). See Instruction 10.													
		Tat	ole I - I	Non-Deri	vativ	e Sec	curit	ties A	cquir	ed, C	Disposed o	of, or E	Beneficia	lly (Owned				
Date				Date	Transaction te onth/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		Transac (Instr. 3	tion(s)			(111511. 4)
Common Stock 12/				12/20/2	2/20/2023				M		6,500	A	\$47.3	34 124,611		1,611		D	
Common Stock 12/20				12/20/2	2023				S		6,500	D	\$49.637	5374 ⁽¹⁾ 118,		3,111	D		
Common Stock			12/21/2023					M		17,500	A	\$47.3	4 135,611		5,611	D			
Common Stock 12/21/				12/21/2	2023)23			S		17,500	D	\$49.290	1(2)	118,111			D	
			Table								sposed of s, converti			y O\	wned				
1. Title of Derivative Security (Instr. 3)	2. Conversion or Exercise Price of Derivative Security	3. Transaction Date (Month/Day/Year)	Execut if any			action (Instr.			Expir (Mon	te Exe ration I th/Day		ate of Securities		De Se	s. Price of Derivative Security Instr. 5)	9. Number derivative Securities Beneficial Owned Following Reported Transaction (Instr. 4)	i i	10. Ownership Form: Direct (D) or Indirect (I) (Instr. 4)	11. Nature of Indirect Beneficial Ownership (Instr. 4)
					Code	v	(A)	(D)	Date Exer	cisable	Expiration Date	Title	Amount or Number of Shares						

\$47 34

\$47.34

12/20/2023

12/21/2023

Non-Qualified Stock

Option

(right to buy) Non-Qualified Stock Option

(right to buy)

1. The price reported in Column 4 is a weighted average price. These shares were sold in multiple transactions at prices ranging from \$49.40 to \$49.90 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 (1) on this Form 4.

01/03/2019

01/03/2021

6.500

17,500

2. The price reported in Column 4 is a weighted average price. These shares were sold in multiple transactions at prices ranging from \$49.11 to \$49.50 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 (2) on this Form 4.

By: Patrick R. O'Neil, attorneyin-fact For: Brett P. Monia

6.500

17,500

\$0.0

\$0.0

17.500

0

D

D

** Signature of Reporting Person

Commo

Stock

Stock

01/02/2024

01/02/2024

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).

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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.