FORM 4

Check this box if no longer subject to Section 16. Form 4 or Form 5 obligations may continue. See Instruction 1(b).

UNITED STATES SECURITIES AND EXCHANGE COMMISSION

Washington, D.C. 20549 STATEMENT OF CHANGES IN BENEFICIAL OWNERSHIP

OMB APPROVAL

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

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 Addr Baroldi Jose	1 0	2. Issuer Name and Ticker or Trading Symbol <u>IONIS PHARMACEUTICALS INC</u> [IONS]							5. Relationship of Reporting Person(s) to Issuer (Check all applicable) Director 10% Owner V Officer (give title Other (specif					
(Last) (First) (Middle) 2855 GAZELLE COURT					ate of Earliest Trans 16/2024	saction (I	Mont	h/Day/Year)		Officer (give title below) EVP, Chief B	below)		
(Street)					4. If Amendment, Date of Original Filed (Month/Day/Year)						6. Individual or Joint/Group Filing (Check Applicable Line) X Form filed by One Reporting Person			
CARLSBAD CA 92010											Form filed by Mor Person			
(City)	(State)	(Zip)		Ru	le 10b5-1(c)	Tran	sad	ction Indi						
					Check this box to ind satisfy the affirmative						t, instruction or written	plan that is intend	led to	
Table I - Non-Derivative Securities Acquired, Disposed of, or Beneficially Owned														
1. Title of Security (Instr. 3) 2. Transacti Date (Month/Day)				2A. Deemed Execution Date, if any (Month/Day/Year)	3. 4. Securities Acquired (A) of Disposed Of (D) (Instr. 3, 4) Code (Instr. 8) Amount			5. Amount of Securities Beneficially Owned Following Reported Transaction(s)	6. Ownership Form: Direct (D) or Indirect (I) (Instr. 4)	7. Nature of Indirect Beneficial Ownership (Instr. 4)				

1. Title of Security (instr. 3)	2. Iransaction Date (Month/Day/Year) ZA. Deemed Execution Da if any (Month/Day/Year)		3. Transa Code (8)		Disposed Of (D) (Instr. 3, 4 and 5)			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	01/16/2024		M ⁽¹⁾		3,688(1)	A	\$0.0	14,259	D	
Common Stock	01/17/2024		S ⁽²⁾		1,460 ⁽²⁾	D	\$ 50.417 ⁽³⁾	12,799	D	
Common Stock	01/16/2024		M ⁽⁴⁾		1,353(4)	A	\$0.0	2,204	Ι	by Spouse
Common Stock	01/17/2024		S ⁽¹⁾		564 ⁽¹⁾	D	\$50.4 17 ⁽³⁾	1,640	Ι	by Spouse

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)				6. Date Exerc Expiration Da (Month/Day/Y	ate	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				
Restricted Stock Unit	\$0.0 ⁽⁵⁾	01/16/2024		М			3,688	(6)	(6)	Common Stock	3,688	\$0.0	63,973	D	
Restricted Stock Unit	\$0.0 ⁽⁵⁾	01/16/2024		М			1,353	(6)	(6)	Common Stock	1,353	\$0.0	7,034	I	by Spouse

Explanation of Responses:

1. Acquired pursuant to vesting and release of shares in accordance with a Restricted Stock Unit award.

2. The sale was made pursuant to an automatic sale to cover the required tax withholding obligations pursuant to the 2011 Equity Incentive Plan Restricted Stock Unit Agreement and Grant Notice.

3. The price reported in column 4 is a weighted average price. These shares were sold in multiple transactions at prices ranging from \$50.35 to \$50.43, 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) of this Form 4.

4. Acquired pursuant to vesting and release of shares in accordance with Restricted Stock Unit awards.

5. Each Restricted Stock Unit represents a contingent right to receive one share of Ionis common stock, or its equivalent cash value.

6. Restricted Stock Units vest in four equal annual 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 the Company.

Joseph 1	<u>l'. Baroldi</u>	
** Signatu	ure of Reporting Person	

01/18/2024

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.