## SEC Form 4

## FORM 4

# UNITED STATES SECURITIES AND EXCHANGE COMMISSION

Washington, D.C. 20549

OMB APPROVAL

OMB Number:	3235-0287							
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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).
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### 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*			2. Issuer Name and Ticker or Trading Symbol IONIS PHARMACEUTICALS INC [ IONS	5. Relationship of Reporting Person(s) to Issuer (Check all applicable)					
BERTHELS	BERTHELSEN SPENCER R			X	Director	10% Owner			
(Last) (First) 2855 GAZELLE COURT		(Middle)	3. Date of Earliest Transaction (Month/Day/Year) 07/17/2023		Officer (give title below)	Other (specify below)			
			4. If Amendment, Date of Original Filed (Month/Day/Year)	6. Individual or Joint/Group Filing (Check Applicab Line)					
(Street) CARLSBAD	CA	92010	_	X	Form filed by One Re Form filed by More th Person				
(City)	(State)	(Zip)	Rule 10b5-1(c) Transaction Indication						
			Check this box to indicate that a transaction was made pursuant to satisfy the affirmative defense conditions of Rule 10b5-1(c). See In						

#### 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. Transac Code (Ir 8)		4. Securities Acquired (A) or Disposed Of (D) (Instr. 3, 4 and 5)		5. Amount of Securities Beneficially Owned Following	6. Ownership Form: Direct (D) or Indirect (I) (Instr. 4)	7. Nature of Indirect Beneficial Ownership	
			Code	v	Amount	(A) or (D)	Price	Reported Transaction(s) (Instr. 3 and 4)		(Instr. 4)
Common Stock	07/17/2023		<b>M</b> <sup>(1)</sup>		1,777 <sup>(1)</sup>	Α	\$0.0	141,924	D	
Common Stock	07/17/2023		<b>M</b> <sup>(1)</sup>		5,333 <sup>(1)</sup>	Α	\$0.0	147,257	D	
Common Stock								70	Ι	by Daughter <sup>(2)</sup>

# Table II - Derivative Securities Acquired, Disposed of, or Beneficially Owned (e.g., puts, calls, warrants, options, convertible securities)

(c.g., puts, curs, warants, 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. Transac Code (I 8)		n of		6. Date Exerc Expiration D (Month/Day/	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)	Beneficial Ownership (Instr. 4)
				Code	v	(A)	(D)	Date Exercisable	Expiration Date	Title	Amount or Number of Shares				
Restricted Stock Unit	\$0.0 <sup>(3)</sup>	07/17/2023		М			1,777	(4)	(4)	Common Stock	1,777	\$0.0	10,010	D	
Restricted Stock Unit	\$0.0 <sup>(3)</sup>	07/17/2023		М			5,333	(5)	(5)	Common Stock	5,333	\$0.0	4,677	D	

#### Explanation of Responses:

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

2. The reporting person disclaims beneficial ownership of all securities held by his daughter, and this report should not be deemed an admission that the reporting person is the beneficial owner of such securities for purposes of Section 16 or for any other purpose.

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 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.

5. Restricted Stock Units vest 100% on either the first anniversary of the date of grant or the next regularly scheduled annual meeting of stockholders of the Company, whichever occurs earlier, and are delivered to the reporting person on the July 15th following the vesting date. Upon vesting, the Restricted Stock Units will be paid in whole shares of Ionis common stock or cash as may be determined by the Company.



\*\* Signature of Reporting Person Date

Reminder: Report on a separate line for each class of securities beneficially owned directly or indirectly.

 $^{\ast}$  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.