FORM 4

UNITED STATES SECURITIES AND EXCHANGE COMMISSION

Washington, D.C. 20549

Check this box if no longer subject to	STATEMENT OF CHANGE								
Section 16. Form 4 or Form 5									
obligations may continue. See									
Instruction 1(b).	Filed pursuant to Section 16(a) o								

OMB APPROVAL OMB Number: IN BENEFICIAL OWNERSHIP

Estimated average burden 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

Name and Address of Reporting Person* Cadoret-Manier Onaiza						2. Issuer Name and Ticker or Trading Symbol IONIS PHARMACEUTICALS INC [IONS]									ck all applic	,	Pers	on(s) to Iss 10% Ov Other (s	vner
(Last)	`	irst) IACEUTICALS	(Middle) , INC.		3. Date of Earliest Transaction (Month/Day/Year) 01/15/2020									X	below)		and	below)	·
2855 GA	ZELLE CO	OURT		-															
(Street) CARLSI (City)			92010 (Zip)		4. If A	mendn	ment, C	Oate o	of Original F	iled	(Month/Da	ay/Year)		6. Inc Line) X	Form fi	oint/Group led by One led by More	Repo	orting Perso	n
(Oily)	(0	•								_		, -							
Table I - Non-Deriva 1. Title of Security (Instr. 3) 2. Transa Date (Month/D				. Transact ate Month/Day	ction 2A. Deemed Execution Date,			3. Transact Code (In 8)	tion str.	4. Securi Disposed 5)	curities Acquired (A) sed Of (D) (Instr. 3, 4			5. Amount of Securities Beneficially Owned Following Reported Transaction(s) (Instr. 3 and 4)		Form (D) or	vnership :: Direct r Indirect str. 4)	7. Nature of Indirect Beneficial Ownership (Instr. 4)	
									, options						Owneu				
1. Title of Derivative Security (Instr. 3)	2. Conversion or Exercise Price of Derivative Security	3. Transaction Date (Month/Day/Year)	3A. Deemed Execution Dat if any (Month/Day/Ye	Co	Transaction Code (Instr.				6. Date Exercisable a Expiration Date (Month/Day/Year)			7. Title and Am of Securities Underlying Derivative Secu (Instr. 3 and 4)			8. Price of Derivative Security (Instr. 5)	9. Number derivative Securities Beneficiall Owned Following Reported Transactio (Instr. 4)	у	Ownership Form: Direct (D) or Indirect (I) (Instr. 4	Beneficial Ownership (Instr. 4)
				Cod	de V	· (A	A)	(D)	Date Exercisable		expiration Date	Title	Amo or Num of Shar	ber					
Restricted Stock Units	(1)(2)	01/15/2020	01/15/2020) A		22	2,667		(3)		(3)	Common Stock	22,6	667	\$0	22,667		D	

Explanation of Responses:

- 1. Grant to reporting person of Restricted Stock Units under the Ionis Pharmaceuticals, Inc. Amended and Restated 2011 Equity Incentive Plan.
- 2. Each Restricted Stock Unit represents a contingent right to receive one share of Ionis common stock, or its equivalent cash value.
- 3. 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 Ionis.

Remarks:

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

01/17/2020

** Signature of Reporting Person

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.