SEC Form 4	
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FORM 4

UNITED STATES SECURITIES AND EXCHANGE COMMISSION

Washington, D.C. 20549

	Check this box if no longer subject to Section 16. Form 4 or Form 5 obligations may continue. <i>See</i> Instruction 1(b).
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STATEMENT OF CHANGES IN BENEFICIAL OWNERSHIP

OMB APPROVAL
OMB Number: 3235-0287

Estimated average burden hours per response: 0.5

Instruction 1(b).		Fi	iled pursuant to Section 16(a) of the Securities Exchange Act of 193 or Section 30(h) of the Investment Company Act of 1940	4	l nours per	response: 0.5
1. Name and Address of Reporting Person [*] CROOKE STANLEY T (Last) (First) (Middle) C/O IONIS PHARMACEUTICALS, INC. 2855 GAZELLE COURT		(Middle)	2. Issuer Name and Ticker or Trading Symbol <u>IONIS PHARMACEUTICALS INC</u> [IONS] 3. Date of Earliest Transaction (Month/Day/Year) 12/07/2020		ationship of Reporting F k all applicable) Director Officer (give title below) Exec Chairman of	10% Owner Other (specify below)
(Street) CARLSBAD, (City)	CA (State)	92010 (Zip)	 4. If Amendment, Date of Original Filed (Month/Day/Year) 	6. Indiv Line) X	vidual or Joint/Group Fi Form filed by One Re Form filed by More th Person	eporting Person

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. Transa Code (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 (Instr. 4)
			Code	v	Amount	(A) or (D)	Price	Reported Transaction(s) (Instr. 3 and 4)		(1150.4)
Common Stock	12/07/2020	12/07/2020	S		5,000(1)	D	\$51.8701	645,391	Ι	by trust
Common Stock	12/07/2020	12/07/2020	S		6,000(1)	D	\$51.5	639,391	Ι	by trust
Common Stock								2,021	D	
Common Stock								1,581	Ι	by wife

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)		of Deriv Secu Acqu (A) o Dispo of (D (Instr	5. Number 6. Date Exercisable and berivative Securities Acquired (A) or Disposed of (D) (Instr. 3, 4 and 5) Date Expiration Date (Month/Day/Year) (Month/Day/Year)		7. Titl Amou Secur Unde Deriv Secur 3 and	unt of rities rlying ative rity (Instr.	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				

Explanation of Responses:

1. Shares sold pursuant to a Rule 10b5-1 Trading Plan adopted by the reporting person on January 2, 2020.

Remarks:

/s/Patrick R. O'Neil, attorney-12/09/2020

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.

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.