Common Stock

FORM 4

UNITED STATES SECURITIES AND EXCHANGE COMMISSION

STATEMENT OF CHANGES IN BENEFICIAL OWNERSHIP

wasnington,	D.C. 20549	

OMB	APPROVAL

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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).

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 Leison				2. Issuer Name and Ticker or Trading Symbol IONIS PHARMACEUTICALS INC [IONS]							5. Relationship of Reporting Person(s) to Issuer (Check all applicable)				
MUTO FREI	<u>DERICK I</u>			101110	<i>5</i> 1 111 11 (11 1 1)	<u>JLI O I</u>	10.	110 1110 [1	0110	X	Director	10% C	Owner		
(Last) (First) (Middle) C/O IONIS PHARMACEUTICALS, INC. 2855 GAZELLE COURT					3. Date of Earliest Transaction (Month/Day/Year) 07/01/2016						Officer (give title below)	Other below)	(specify		
,				4. If Ame	endment, Date of O	riginal F	iled (I	Month/Day/Year))		vidual or Joint/Group	Filing (Check Ap	plicable		
(Street) CARLSBAD	CA	92010								Line)	Form filed by One				
(City)	(State)	(Zip)													
		Table I - No	n-Deriva	ative S	ecurities Acqu	uired,	Disp	osed of, or	Bene	ficially (Dwned				
Date			2. Transa Date (Month/D		2A. Deemed Execution Date, if any (Month/Day/Year)	3. Transa Code (I 8)	Instr.	4. Securities Ad Disposed Of (D)			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)		

							*		
Common Stock	07/01/2016	07/01/2016	M ⁽²⁾	667(2)	A	\$0	3,877	D	
Common Stock	07/01/2016	07/01/2016	M ⁽³⁾	469 ⁽³⁾	A	\$0	4,346	D	
Common Stock	07/02/2016	07/02/2016	M ⁽⁴⁾	312(4)	A	\$0	4,658	D	
Common Stock							1,500	I	By Cooley LLP Pension Plan

Code

07/01/2016

(A) or (D)

Amount

667(1)

Price

\$0

(Instr. 3 and 4)

3,210

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

	(e.g., puts, cans, 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)		5. Numl Derivati Securiti Acquire or Disp of (D) (I 4 and 5	ve es ed (A) osed nstr. 3,	6. Date Exerci Expiration Dat (Month/Day/Ye	te	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	10. Ownership Form: Direct (D) or Indirect (I) (Instr. 4)	11. Nature of Indirect Beneficial Ownership (Instr. 4)
				Code	v	(A)	(D)	Date Exercisable			Amount or Number of Shares		Transaction(s) (Instr. 4)		
Restricted Stock Units	(5)	07/01/2016	07/01/2016	M			1,803	(6)	(6)	Common Stock	1,803	\$0	3,801	D	
Restricted Stock Units	(5)	07/02/2016	07/02/2016	М			312	(6)	(6)	Common Stock	312	\$0	0	D	
Restricted Stock Units	(5)	07/01/2016	07/01/2016	A		2,667		(7)	(7)	Common Stock	2,667	\$0	2,667	D	
Director Stock Option (right to buy)	\$24.42	07/01/2016	07/01/2016	A		16,000		07/01/2017 ⁽⁸⁾	06/30/2026 ⁽⁸⁾	Common Stock	16,000	\$0	16,000	D	

Explanation of Responses:

- 1. Acquired pursuant to vesting and release of shares pursuant to a Restricted Stock Unit award granted on July 1, 2014.
- $2.\ Acquired\ pursuant\ to\ vesting\ and\ release\ of\ shares\ pursuant\ to\ a\ Restricted\ Stock\ Unit\ award\ granted\ on\ July\ 1,\ 2015.$
- 3. Acquired pursuant to vesting and release of shares pursuant to a Restricted Stock Unit award granted on July 1, 2013.
- 4. Acquired pursuant to vesting and release of shares pursuant to a Restricted Stock Unit award granted on July 2, 2012.
- 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 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.
- 7. Grant of July 1, 2016 to reporting person of Restricted Stock Unit Award under the Amended and Restated Ionis Pharmaceuticals, Inc. 2002 Non-Employee Directors' Stock Option Plan. Restricted Stock Units vest in four equal annual installments, the first installment vesting on July 1, 2017. 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. The RSU shall be fully vested on July 1, 2020. The RSU is vested as to 0 shares on July 1, 2016.
- 8. Grant of July 1, 2016 to reporting person of stock options under the Amended and Restated Ionis Pharmaceuticals, Inc. 2002 Non-Employee Directors' Stock Option Plan. The option vests and becomes exercisable in four equal annual installments, the first installment vesting on July 1, 2017. The option shall be fully vested and exercisable on July 1, 2020. The option is exercisable as to 0 shares on July 1, 2016.

Remarks:

** 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.

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