FORM 4

UNITED STATES SECURITIES AND EXCHANGE COMMISSION

Washington, D.C. 20549

Wasiiiigton, D.C. 20049	OMB APP	ROVAL
STATEMENT OF CHANGES IN BENEFICIAL OWNERSHIP	OMB Number:	3235

- 1							
	OMB Number:	3235-0287					
	Estimated average b	ourden					
	hours per response:	0.5					

5. Relationship of Reporting Person(s) to Issuer

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

1. Name and Address of Reporting Person

Filed pursuant to Section 16(a) of the Securities Exchange Act of 1934 or Section 30(h) of the Investment Company Act of 1940

2. Issuer Name and Ticker or Trading Symbol

HOUGEN ELIZABETH L					$\begin{bmatrix} & & & & & & & & & & & & & & & & & & &$	IONIS PHARMACEUTICALS INC [IONS]										or (give title		10% O		
	`	irst) 1ACEUTICALS DURT	(Middle) 5, INC.			3. Date of Earliest Transaction (Month/Day/Year) 12/04/2019									SVP, Finance & CFO					
(Street)	BAD C.	A	92010		4. 1	4. If Amendment, Date of Original Filed (Month/Day/Ye						Year)	Lin	Individual or Joint/Group Filing (Check Applicable le) X Form filed by One Reporting Person Form filed by More than One Reporting Person						
(City)	(S	tate)	(Zip)												1 01001	•				
		Tak	ole I - No	n-Deri	ivativ	e S	ecurit	ties A	cquire	d, Di	spose	d of,	or Bei	neficial	lly Owned	I				
			Date	saction n/Day/Ye		Execut if any	A. Deemed Execution Date, Fany Month/Day/Year)				Securities Acquired (A) sposed Of (D) (Instr. 3, 4			Benefici Owned	es ally Following	6. Ownership Form: Direct (D) or Indirect (I) (Instr. 4)		7. Nature of Indirect Beneficial Ownership		
									Cod	le V	Amou	Amount		Price	Reporte Transac (Instr. 3	tion(s)			(Instr. 4)	
Common Stock					12/04/2019		12/04/2019		9 M ⁽	1)	50	504(1)		\$10.8	32 20	,559		D		
Common	Stock			12/0	04/201	9	12/0	12/04/2019)	50	504(1)		\$65	5 20	,055		D		
Common Stock		12/0	04/2019		12/04/2019		9 м(1)	4,0	4,062(1)		\$10.8	32 24	,117		D				
Common	Common Stock			12/0	4/2019		12/04/2019		9 s ⁽¹)	4,0	4,062(1)		\$65	5 20	20,055		D		
		•	Table II -										or Bene e secu		/ Owned					
1. Title of Derivative Security (Instr. 3)	2. Conversion or Exercise Price of Derivative Security	3. Transaction Date (Month/Day/Year)	3A. Deeme Execution if any (Month/Da	Date,		4. Transaction Code (Instr		5. Number of		6. Date Exercisa Expiration Date (Month/Day/Year		A S U	7. Title and Amount of Securities Underlying Derivative Secu (Instr. 3 and 4)		8. Price of Derivative Security (Instr. 5)	vative derivative	Ownersh Form: Direct (D or Indire (I) (Instr.	Ownership	Beneficial Ownership (Instr. 4)	
					Code	v	(A)	(D)	Date Exercis	able	Expirati Date		Γitle	Amount or Number of Shares						
Employee Stock Option (right to buy)	\$10.82	12/04/2019	12/04/2	2019	М			504	01/02/2	017 ⁽²⁾	01/01/20	20	Common Stock	504	\$0	7,196	5	D		
Employee Stock Option	\$10.82	12/04/2019	12/04/2	2019	M			4,062	01/02/2	017 ⁽²⁾	01/01/20	20	Common	4,062	\$0	3,438	3	D		

Explanation of Responses:

- 1. Acquired as a result of exercising a stock option pursuant to Rule 10b5-1 Trading Plan. The purchase and sale reported on this Form 4 was effective pursuant to Rule 10b5-1 Trading Plan adopted by the reporting person on 2/3/2015.
- 2. Represents the date on which the options are fully exercisable pursuant to the vesting schedule of the grant.

Remarks:

(right to buy)

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

12/05/2019

in-fact

Stock

** 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.