MARAGANORE JOHN

Form 4

November 17, 2017

if no longer

subject to

Check this box

UNITED STATES SECURITIES AND EXCHANGE COMMISSION Washington, D.C. 20549

STATEMENT OF CHANGES IN BENEFICIAL OWNERSHIP OF

SECURITIES

OMB Number:

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Section 16. Form 4 or Form 5 obligations

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See Instruction

Filed pursuant to Section 16(a) of the Securities Exchange Act of 1934, Section 17(a) of the Public Utility Holding Company Act of 1935 or Section

30(h) of the Investment Company Act of 1940

1(b).

(Print or Type Responses)

1. Name and Address of Reporting Person * 5. Relationship of Reporting Person(s) to 2. Issuer Name and Ticker or Trading MARAGANORE JOHN Issuer Symbol **ALNYLAM** (Check all applicable) PHARMACEUTICALS, INC. [ALNY] _X_ Director 10% Owner X_ Officer (give title _ Other (specify (Last) (First) (Middle) 3. Date of Earliest Transaction below) (Month/Day/Year) Chief Executive Officer C/O ALNYLAM 11/15/2017 PHARMACEUTICALS, INC., 300 THIRD STREET (Street) 4. If Amendment, Date Original 6. Individual or Joint/Group Filing(Check Filed(Month/Day/Year) Applicable Line)

CAMBRIDGE, MA 02142

X Form filed by One Reporting Person Form filed by More than One Reporting

(City)	(State)	(Zip) Tal	ole I - Non-	Derivative	Secu	rities Acquii	red, Disposed of,	or Beneficiall	y Owned
1.Title of Security (Instr. 3)	2. Transaction Date (Month/Day/Year)	2A. Deemed Execution Date, if any (Month/Day/Year)	3. 4. Securities Acquired (A) Transactionor Disposed of (D) Code (Instr. 3, 4 and 5) (Instr. 8)			5. Amount of Securities Beneficially Owned Following Reported Transaction(s)	Ownership I Form: I Direct (D) or Indirect (I)	7. Nature of Indirect Beneficial Ownership (Instr. 4)	
Common	11/15/2017		Code V M(1)	Amount 74,000	or (D)	Price \$ 31.39	(Instr. 3 and 4)	(Instr. 4)	
Stock Common Stock	11/15/2017		S <u>(1)</u>	22,460	D	\$ 125.544	201,250	D	
Common Stock	11/15/2017		S <u>(1)</u>	28,399	D	(2) \$ 126.603 (3)	172,851	D	

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Common Stock	11/15/2017	S <u>(1)</u>	7,120	D	\$ 127.54 (4)	165,731	D	
Common Stock	11/15/2017	S <u>(1)</u>	10,571	D	\$ 128.484 (5)	155,160	D	
Common Stock	11/15/2017	S(1)	4,850	D	\$ 129.57 (6)	150,310	D	
Common Stock	11/15/2017	S <u>(1)</u>	600	D	\$ 130.218 <u>(7)</u>	149,710	D	
Common Stock						2,960	I	By Managed Account

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

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(9-02)

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. Transactio Code (Instr. 8)	5. Number of on Derivative Securities Acquired (A) or Disposed of (D) (Instr. 3, 4, and 5)	6. Date Exerc Expiration D (Month/Day/	ate	7. Title and Amount of Underlying Securities (Instr. 3 and 4)	
				Code V	(A) (D)	Date Exercisable	Expiration Date	Title	Amount or Number of Shares
Stock Option (Right to Buy)	\$ 31.39	11/15/2017		M(1)	74,000	<u>(9)</u>	12/12/2017(1)	Common Stock	74,000

Reporting Owners

Reporting Owner Name / Address	Relationships						
	Director	10% Owner	Officer	Other			
MARAGANORE JOHN	X		Chief Executive Officer				
C/O ALNYLAM PHARMACEUTICALS, INC.							

Reporting Owners 2

300 THIRD STREET CAMBRIDGE, MA 02142

Signatures

/s/ Michael P. Mason, Attorney-in-Fact for John M. Maraganore

11/17/2017

**Signature of Reporting Person

Date

Explanation of Responses:

- * 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).
- (1) All sales reported on this Form 4 were made pursuant to a Rule 10b5-1 trading plan adopted by the reporting person on January 13, 2017. The 74,000 options exercised and sold by the reporting person were due to expire on December 12, 2017.
- (2) Sale prices ranged from \$125.07 to \$126.05.
- (3) Sale prices ranged from \$126.08 to \$127.05.
- (4) Sale prices ranged from \$127.08 to \$128.06.
- (5) Sale prices ranged from \$128.09 to \$129.08.
- (6) Sale prices ranged from \$129.11 to \$130.00.
- (7) Sale prices ranged from \$130.15 to \$130.41.
- (8) The reporting person owns 2,960 shares of ALNY common stock under the ALNY 401(k) plan as a result of the ALNY 401(k) matching contribution program.
- (9) The stock option vested as to 25% of the shares on the first anniversary of the date of the stock option grant and as to an additional 6.25% of the shares each successive three month period thereafter.

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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