Fanucci Marsha Form 4 June 22, 2018

FORM 4

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

STATEMENT OF CHANGES IN BENEFICIAL OWNERSHIP OF

SECURITIES

OMB

OMB APPROVAL

Number:

3235-0287

Expires:

January 31, 2005

0.5

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Form 4 or Form 5 obligations may continue.

See Instruction

Check this box

if no longer

subject to

Section 16.

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 *

2. Issuer Name and Ticker or Trading Fanucci Marsha Symbol

ALNYLAM

PHARMACEUTICALS, INC.

[ALNY]

(Last) (First) (Middle) 3. Date of Earliest Transaction

(Month/Day/Year)

300 THIRD STREET

Filed(Month/Day/Year)

5. Relationship of Reporting Person(s) to

Issuer

(Check all applicable)

X_ Director 10% Owner Officer (give title Other (specify below)

06/20/2018

(Street) 4. If Amendment, Date Original 6. Individual or Joint/Group Filing(Check

Applicable Line)

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

Person

CAMBRIDGE, MA 02142

(City)

(Instr. 3)

(Zip) 1.Title of 2. Transaction Date 2A. Deemed Security

(State)

(Month/Day/Year) Execution Date, if (Month/Day/Year)

4. Securities TransactionAcquired (A) or Disposed of (D) Code (Instr. 8) (Instr. 3, 4 and 5)

Code V Amount (D) Price

5. Amount of Securities Beneficially Owned Following

Table I - Non-Derivative Securities Acquired, Disposed of, or Beneficially Owned 6. Ownership 7. Nature of Form: Direct Indirect (D) or Indirect Beneficial Ownership (Instr. 4) (Instr. 4)

Reported

Transaction(s) (Instr. 3 and 4)

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

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SEC 1474 (9-02)

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

1. Title of Derivative Conversion 3. Transaction Date 3A. Deemed

(Month/Day/Year) Execution Date, if

4 5. Number

(A)

or

6. Date Exercisable and Transaction of Derivative Expiration Date

7. Title and Amount of 8 Underlying Securities

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Security (Instr. 3)	or Exercise Price of Derivative Security		any (Month/Day/Year)	Code (Instr. 8)	() A (. (. (.) (.)	Acquired A) or Disposed D) Instr. 3,	d d of	(Month/Day/Year)		(Instr. 3 and 4)	
				Code V	V	(A)	(D)	Date Exercisable	Expiration Date	Title	Amount or Number of Shares
Stock Option (right to buy)	\$ 105.26	06/20/2018		A	Ģ	9,000		06/20/2019	06/19/2028	Common Stock	9,000

Reporting Owners

Reporting Owner Name / Address	Relationships							
r g	Director	10% Owner	Officer	Other				
Fanucci Marsha								
300 THIRD STREET	X							
CAMBRIDGE, MA 02142								

Signatures

By: /s/ Michael P. Mason, Attorney-in-Fact For: Marsha H. Fanucci

06/22/2018

**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).

Note: File three copies of this Form, one of which must be manually signed. If space is insufficient, *see* Instruction 6 for procedure. Potential persons who are to respond to the collection of information contained in this form are not required to respond unless the form displays a currently valid OMB number.

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