Vaishnaw Akshay Form 4 November 01, 2017

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

STATEMENT OF CHANGES IN BENEFICIAL OWNERSHIP OF

SECURITIES

OMB Number:

3235-0287

Expires:

January 31, 2005

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response...

if no longer subject to Section 16. Form 4 or Form 5

Check this box

obligations may continue. 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 *

Vaishnaw Akshay

2. Issuer Name and Ticker or Trading

Symbol

ALNYLAM

PHARMACEUTICALS, INC.

[ALNY]

(Last)

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

(Month/Day/Year) 10/30/2017

5. Relationship of Reporting Person(s) to

Issuer

(Check all applicable)

Director X_ Officer (give title 10% Owner

below)

Other (specify

EVP, R&D

C/O ALNYLAM PHARMACEUTICALS, INC., 300

THIRD STREET

(Street)

4. If Amendment, Date Original

Filed(Month/Day/Year)

6. Individual or Joint/Group Filing(Check

Applicable Line)

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

CAMBRIDGE, MA 02142

| (City) | (State) | (Zip) Tab | le I - Non-l | Derivative | Secur | ities Acqui | red, Disposed of | , or Beneficial | ly Owned |
|--------------------------------------|---|---|--------------|---|------------------|---------------------|--|---|---|
| 1.Title of Security (Instr. 3) | 2. Transaction Date (Month/Day/Year) | Month/Day/Year) Execution Date, if T any | | 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 | 6. Ownership Form: Direct (D) or Indirect (I) | 7. Nature of Indirect Beneficial Ownership (Instr. 4) |
| | | | Code V | Amount | (A) or (D) | Price | Transaction(s) (Instr. 3 and 4) | (Instr. 4) | |
| Common Stock | 10/30/2017 | | M <u>(1)</u> | 33,666 | A | \$ 21.35 | 45,201 | D | |
| Common Stock | 10/30/2017 | | S <u>(1)</u> | 800 | D | \$ 119.79 (2) | 44,401 | D | |
| Common Stock | 10/30/2017 | | S <u>(1)</u> | 11,418 | D | \$ 120.78 (3) | 32,983 | D | |

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| Common Stock | 10/30/2017 | S(1) | 17,755 | D | \$ 121.69 (4) | 15,228 | D | |
|-----------------|------------|--------------|--------|---|---------------------|--------|---|--------------------------|
| Common Stock | 10/30/2017 | S <u>(1)</u> | 3,693 | D | \$ 122.79 (5) | 11,535 | D | |
| Common Stock | | | | | | 338 | 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. Transactic Code (Instr. 8) | 5. Number of onDerivative Securities Acquired (A) or Disposed of (D) (Instr. 3, 4, and 5) | 6. Date Exercisable and Expiration Date (Month/Day/Year) | | 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) | \$ 21.35 | 10/30/2017 | | M (1) | 33,666 | <u>(7)</u> | 12/08/2018 | Common Stock | 33,666 |

Reporting Owners

| Reporting Owner Name / Address | Relationships | | | | | |
|--------------------------------|---------------|-----------|---------|-------|--|--|
| | Director | 10% Owner | Officer | Other | | |

Vaishnaw Akshay C/O ALNYLAM PHARMACEUTICALS, INC. 300 THIRD STREET CAMBRIDGE, MA 02142

EVP, R&D

Reporting Owners 2

Signatures

/s/ Michael P. Mason, Attorney-in-Fact for Akshay K. Vaishnaw

11/01/2017

**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 August 29, 2017.
- (2) Sale prices ranged from \$119.30 to \$120.28.
- (3) Sale prices ranged from \$120.32 to \$121.25.
- (4) Sale prices ranged from \$121.26 to \$122.19.
- (5) Sale prices ranged from \$122.45 to \$123.01.
- (6) The reporting person owns 338 shares of ALNY common stock under the ALNY 401(k) plan as a result of the ALNY 401(k) matching contribution program.
- (7) 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. 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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