

Vaishnaw Akshay
Form 4
March 16, 2018

FORM 4 UNITED STATES SECURITIES AND EXCHANGE COMMISSION
Washington, 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).

STATEMENT OF CHANGES IN BENEFICIAL OWNERSHIP OF SECURITIES

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

(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]

5. Relationship of Reporting Person(s) to Issuer

(Check all applicable)
 Director 10% Owner
 Officer (give title below) Other (specify below)
President, R&D

(Last) (First) (Middle)
300 THIRD STREET
(Street)

3. Date of Earliest Transaction (Month/Day/Year)
03/14/2018

CAMBRIDGE, MA 02142

4. If Amendment, Date Original Filed(Month/Day/Year)

6. Individual or Joint/Group Filing(Check Applicable Line)
 Form filed by One Reporting Person
 Form filed by More than One Reporting Person

(City) (State) (Zip)

Table I - Non-Derivative Securities Acquired, Disposed of, or Beneficially Owned

| 1. Title of Security (Instr. 3) | 2. Transaction Date (Month/Day/Year) | 2A. Deemed Execution Date, if any (Month/Day/Year) | 3. Transaction Code (Instr. 8) | 4. Securities Acquired (A) or Disposed of (D) (Instr. 3, 4 and 5) | 5. Amount of Securities Beneficially Owned Following Reported Transaction(s) (Instr. 3 and 4) | 6. Ownership Form: Direct (D) or Indirect (I) (Instr. 4) | 7. Nature of Indirect Beneficial Ownership (Instr. 4) |
|---------------------------------|--------------------------------------|--|--------------------------------|---|---|--|---|
| | | | Code | V Amount (A) or (D) Price | | | |
| Common Stock | 03/14/2018 | | M ⁽¹⁾ | 44,641 A \$ 18.66 | 55,856 | D | |
| Common Stock | 03/14/2018 | | M ⁽¹⁾ | 38,913 A \$ 16.43 | 94,769 | D | |
| Common Stock | 03/14/2018 | | M ⁽¹⁾ | 5,000 A \$ 7.1 | 99,769 | D | |
| Common Stock | 03/14/2018 | | S ⁽¹⁾ | 6,453 D \$ 140.45 | 93,316 | D | |
| | 03/14/2018 | | S ⁽¹⁾ | 15,000 D \$ 78,316 | | D | |

buy)

Stock

| | | | | | | | | |
|-----------------------------|----------|------------|------------------|--------|----------------|------------|-----------------|--------|
| Option (right to buy) | \$ 18.66 | 03/14/2018 | M ⁽¹⁾ | 44,641 | ⁽⁹⁾ | 12/20/2022 | Common Stock | 44,641 |
|-----------------------------|----------|------------|------------------|--------|----------------|------------|-----------------|--------|

Reporting Owners

| Reporting Owner Name / Address | Relationships | | | |
|--|---------------|-----------|-------------------|-------|
| | Director | 10% Owner | Officer | Other |
| Vaishnaw Akshay 300 THIRD STREET CAMBRIDGE, MA 02142 | | | President, R&D | |

Signatures

By: /s/ Michael P. Mason, Attorney-in-Fact For: Akshay K.
Vaishnaw

03/16/2018

**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).

- (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 10, 2018.
- (2) Sale prices ranged from \$140.00 to \$140.95
- (3) Sale prices ranged from \$141.01 to \$142.00
- (4) Sale prices ranged from \$142.01 to \$143.00
- (5) Sale prices ranged from \$143.01 to \$143.98
- (6) Sale prices ranged from \$144.01 to \$145.00
- (7) Sale prices ranged from \$145.01 to \$145.80
- (8) 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.
- (9) The stock option vests as to 25% of the shares on the 1st 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.