

MARAGANORE JOHN
Form 4
December 21, 2012

FORM 4 UNITED STATES SECURITIES AND EXCHANGE COMMISSION
Washington, D.C. 20549

OMB APPROVAL

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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 *
MARAGANORE JOHN

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)
CEO

(Last) (First) (Middle)

3. Date of Earliest Transaction (Month/Day/Year)
12/19/2012

300 THIRD STREET
(Street)

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

CAMBRIDGE, MA 02142

(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 | 12/19/2012 | | M | | 4,515 | A | \$ 0.475 |
| Common Stock | 12/19/2012 | | M | | 14,102 | A | \$ 0.475 |
| Common Stock | | | | | | | 2,441 |
| | | | | | | I | by Managed Account (1) |

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 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. Transaction Code (Instr. 8) | 5. Number of Derivative 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 Security (Instr. 3 and 4) | Amount of Underlying Shares |
|--|--|--------------------------------------|--|--------------------------------|---|----------------------|--|-----------------|---|-----------------------------|
| | | | | | (A) | (D) | Date Exercisable | Expiration Date | | |
| Stock Option (right to buy) | \$ 0.475 | 12/19/2012 | | M | | 14,102 | 12/09/2003 | 02/26/2013 | Common Stock | 14 |
| Stock Option (right to buy) | \$ 0.475 | 12/19/2012 | | M | | 4,515 ⁽²⁾ | 09/08/2003 | 02/26/2013 | Common Stock | 4 |
| Stock Option (right to buy) | \$ 18.66 | 12/20/2012 | | A | | 150,000 | ⁽³⁾ | 12/20/2022 | Common Stock | 15 |

Reporting Owners

| Reporting Owner Name / Address | Relationships | | | |
|--|---------------|-----------|---------|-------|
| | Director | 10% Owner | Officer | Other |
| MARAGANORE JOHN 300 THIRD STREET CAMBRIDGE, MA 02142 | X | | CEO | |

Signatures

/s/ Michael P. Mason,
Attorney-in-Fact

12/20/2012

**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) The reporting person owns 2,441 shares of ALNY stock under the ALNY 401(k) plan as a result of the ALNY 401(k) matching contribution program.

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- (2) Shares previously held in Trust for which the reporting person was trustee. Trust has been dissolved.
- (3) 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.

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