Regulus Therapeutics Inc.

Form 3

October 04, 2012

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

OMB APPROVAL

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INITIAL STATEMENT OF 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 *

ALNYLAM

PHARMACEUTICALS, INC.

(Last)

(First)

(Middle)

2. Date of Event Requiring 3. Issuer Name and Ticker or Trading Symbol

Statement

(Month/Day/Year)

10/04/2012

(Check all applicable)

(give title below) (specify below)

4. Relationship of Reporting

Regulus Therapeutics Inc. [RGLS]

5. If Amendment, Date Original

Filed(Month/Day/Year)

300 THIRD STREET, 3RD

FLOOR

(Street)

Director Officer

Person(s) to Issuer

X 10% Owner Other

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, MAÂ 02142

(City) (State) (Zip)

1. Title of Security (Instr. 4)

2. Amount of Securities Beneficially Owned

(Instr. 4)

3. Ownership Form:

Table I - Non-Derivative Securities Beneficially Owned

4. Nature of Indirect Beneficial Ownership

(Instr. 5) Direct (D)

or Indirect (I) (Instr. 5)

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

SEC 1473 (7-02)

Persons who respond to the collection of information contained in this form are not required to respond unless the form displays a currently valid OMB control number.

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

1. Title of Derivative Security (Instr. 4)

2. Date Exercisable and **Expiration Date** (Month/Day/Year)

Exercisable Date

3. Title and Amount of Securities Underlying Derivative Security (Instr. 4)

4. Conversion or Exercise Price of

5. Ownership Form of

Derivative

6. Nature of Indirect Beneficial Ownership (Instr. 5)

Date **Expiration Title**

Amount or Number of Derivative Security: Security Direct (D)

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Reporting Owners

Reporting Owner Name / Address

Director 10% Owner Officer Other

ALNYLAM PHARMACEUTICALS, INC.

300 THIRD STREET, 3RD FLOOR Â Â X Â

CAMBRIDGE, MAÂ 02142

Signatures

/s/ Barry E. Greene, President and COO of the Reporting
Person 10/04/2012

**Signature of Reporting Person Date

Explanation of Responses:

- * If the form is filed by more than one reporting person, see Instruction 5(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).
- The Series A Preferred Stock has no expiration date and is convertible at any time at the option of the holder and will convert upon the (1) closing of the Issuer's initial public offering at a conversion ratio of 1 share of Common Stock for every 2 shares of Series A Preferred Stock, for no additional consideration.
- Barry E. Greene and John M. Maraganore, Ph.D., are each officers and, in Dr. Maraganore's case, a director, of the Reporting Person and therefore may be deemed to have control and indirect beneficial ownership of shares held by the Reporting Person. Mr. Greene and Dr. Maraganore disclaim beneficial ownership over the shares held by the Reporting Person, except to the extent of their respective proportionate pecuniary interests therein.

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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