KEATING LAURIE

Form 4

September 28, 2018

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

STATEMENT OF CHANGES IN BENEFICIAL OWNERSHIP OF

OMB

OMB APPROVAL

Number:

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Check this box

SECURITIES Filed pursuant to Section 16(a) of the Securities Exchange Act of 1934,

obligations may continue. See Instruction

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 *

KEATING LAURIE

300 THIRD STREET

2. Issuer Name and Ticker or Trading

Symbol

ALNYLAM

PHARMACEUTICALS, INC.

[ALNY]

(Last)

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

(Month/Day/Year)

09/27/2018

(Street)

Filed(Month/Day/Year)

5. Relationship of Reporting Person(s) to

Issuer

below)

(Check all applicable)

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

below) SVP, GC & Secretary

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

(Zip) (State) (City)

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

1.Title of Security (Instr. 3)

2. Transaction Date 2A. Deemed (Month/Day/Year) Execution Date, if

(Month/Day/Year)

4. Securities TransactionAcquired (A) or Code (Instr. 8)

Disposed of (D) (Instr. 3, 4 and 5) 5. Amount of Securities Beneficially Owned Following

6. Ownership 7. Nature of Form: Direct Indirect (D) or Indirect Beneficial Ownership (Instr. 4) (Instr. 4)

Reported (A) Transaction(s) or

(Instr. 3 and 4) Code V Amount (D) Price

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

Persons who respond to the collection of SEC 1474 information contained in this form are not (9-02)required to respond unless the form displays a currently valid OMB control number.

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

5. Number 4

6. Date Exercisable and Transaction of Derivative Expiration Date

7. Title and Amount Underlying Securities

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	ecurity Instr. 3)	or Exercise Price of Derivative Security		any (Month/Day/Year)	Code (Instr. 8)	Acc (A) Dis (D) (Ins	Securities Acquired (A) or Disposed of (D) (Instr. 3, 4, and 5)		(Month/Day/Year)		(Instr. 3 and 4)	
					Code V	(1	A)	(D)	Date Exercisable	Expiration Date	Title	Amoun or Numbe of Shares
2	Performance Stock Option 2015 (right to buy)	\$ 88.95	09/27/2018		A(1)	3,5	500		09/27/2018	12/18/2025	Common Stock	3,500
2	Performance Stock Option 2016 (right to buy)	\$ 42.22	09/27/2018		A(2)	6,2	250		09/27/2018	12/20/2026	Common Stock	6,250

Reporting Owners

Reporting Owner Name / Address	Relationships

Director 10% Owner Officer Other

KEATING LAURIE 300 THIRD STREET CAMBRIDGE, MA 02142

SVP, GC & Secretary

Signatures

By: /s/ Michael P. Mason, Attorney-in-Fact For: Laurie Keating

09/28/2018

**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).
- On December 18, 2015, the reporting person was granted a performance based stock option to purchase shares of ALNY common stock.

 One quarter of the shares subject to the option will vest upon the achievement of each of four specific clinical development and regulatory events, as approved by our compensation committee. Effective September 27, 2018, the compensation committee of the Company determined the third performance criterion had been met and the option vested as to one-quarter of the shares.
- On December 20, 2016, the reporting person was granted a performance based stock option to purchase shares of ALNY common stock.

 One quarter of the shares subject to the option will vest upon the achievement of each of four specific clinical development, regulatory or commercial events, as approved by our compensation committee. Effective September 27, 2018, the compensation committee of the Company determined the second performance criterion had been met and the option vested as to one-quarter of the shares.

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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