

Greenstreet Yvonne
Form 4
March 28, 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 *
Greenstreet Yvonne

2. Issuer Name and Ticker or Trading Symbol
ALNYLAM
PHARMACEUTICALS, INC.
[ALNY]

5. Relationship of Reporting Person(s) to Issuer

(Check all applicable)

___ Director
 Officer (give title below) EVP, Chief Operating Officer
___ 10% Owner
___ Other (specify below)

(Last) (First) (Middle)

3. Date of Earliest Transaction (Month/Day/Year)
03/26/2018

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	03/26/2018		M ⁽¹⁾	7,221 A \$ 42.22	7,221	D	
Common Stock	03/26/2018		S ⁽¹⁾	4,308 D \$ 136 ⁽²⁾	2,913	D	
Common Stock	03/26/2018		S ⁽¹⁾	2,394 D \$ 137.09 ⁽³⁾	519	D	
Common Stock	03/26/2018		S ⁽¹⁾	419 D \$ 137.78 ⁽⁴⁾	100	D	

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Common Stock	03/26/2018	S ⁽¹⁾	100	D	\$ 141.47	0	D	
Common Stock	03/26/2018	J ⁽⁵⁾	233	A	\$ 0	233	I	by Managed Account ⁽⁵⁾

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. 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 Securities (Instr. 3 and 4)	8. Amount or Number of Shares
Stock Option (right to buy)	\$ 42.22	03/26/2018		M ⁽¹⁾	7,221	⁽⁶⁾ 12/20/2026	Common Stock	7,221

Reporting Owners

Reporting Owner Name / Address	Relationships			
	Director	10% Owner	Officer	Other
Greenstreet Yvonne 300 THIRD STREET CAMBRIDGE, MA 02142			EVP, Chief Operating Officer	

Signatures

By: /s/ Michael P. Mason, Attorney-in-Fact For: Yvonne Greenstreet 03/28/2018

__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).
- (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 17, 2018.
- (2) Sales prices ranged from \$135.53 to \$136.51.
- (3) Sales prices ranged from \$136.61 to \$137.58.
- (4) Sales prices ranged from \$137.68 to \$137.99.
- (5) Reflects shares of ALNY common stock acquired by the reporting person under the ALNY 401(k) plan as a result of the ALNY 401(k) matching contribution program.
- (6) 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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