Soni Manmeet Singh Form 4 August 14, 2018

FORM 4

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

OMB 3235-0287 Number:

burden hours per

Check this box if no longer subject to Section 16. Form 4 or

STATEMENT OF CHANGES IN BENEFICIAL OWNERSHIP OF **SECURITIES**

January 31, Expires: 2005 Estimated average

OMB APPROVAL

Form 5 obligations may continue.

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

0.5 response...

See Instruction 1(b).

(Print or Type Responses)

1. Name and Address of Reporting Person * Soni Manmeet Singh			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		
(Last) 300 THIRD S	(First) TREET	(Middle)	3. Date of Earliest Transaction (Month/Day/Year) 08/13/2018	X Officer (give title Other (specify below) Chief Financial Officer		
	(Street)		4. If Amendment, Date Original Filed(Month/Day/Year)	6. Individual or Joint/Group Filing(Check Applicable Line) _X_ Form filed by One Reporting Person		
CAMBRIDGE	E, MA 02142	2		Form filed by More than One Reporting Person		

(City)	(State)	Zip) Table	e I - Noi	n-De	erivative S	Securi	ties Ac	quired, Disposed	of, or Beneficia	lly Owned
1.Title of Security (Instr. 3)	2. Transaction Date (Month/Day/Year)	2A. Deemed Execution Date, if any (Month/Day/Year)	3. Transactio Code (Instr. 8)		4. Securities on Acquired (A) or Disposed of (D) (Instr. 3, 4 and 5) (A) or))	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	(D)	Price	(msu. 5 and 4)		1
Common Stock	07/25/2017		J <u>(1)</u>	V	2	A	\$ 0 (1)	2	I	by Managed Account (1)
Common Stock	10/16/2017		J <u>(1)</u>	V	11	A	\$ 0 (1)	13	I	by Managed Account (1)
Common Stock	01/17/2018		J <u>(1)</u>	V	6	A	\$ 0 (1)	19	I	by Managed Account (1)
	04/16/2018		J(1)	V	28	A		47	I	

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Common Stock					\$ 0 (1)			by Managed Account (1)
Common Stock	07/10/2018	<u>J(1)</u>	V 36	A	\$ 0 (1)	83	I	by Managed Account (1)

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

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.

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. Transactic Code (Instr. 8)	5. Number of orDerivative Securities Acquired (A) or Disposed of (D) (Instr. 3, 4, and 5)	tive Expiration Date ties (Month/Day/Year) red (A) possed of		7. Title and Amoun Underlying Securiti (Instr. 3 and 4)	
				Code V	(A) (D)	Date Exercisable	Expiration Date	Title	Amou or Numb of Sha
Performance Stock Option 2017 (right to buy)	\$ 52.61	08/13/2018		A(2)	25,000	08/13/2018	05/08/2027	Common Stock	25,0

Reporting Owners

Reporting Owner Name / Address	Relationships								
Troporting of their Finance, Finances	Director	10% Owner	Officer	Other					
Soni Manmeet Singh			Chief						
300 THIRD STREET			Financial						
CAMBRIDGE, MA 02142			Officer						

Signatures

By: /s/ Michael P. Mason, Attorney-in-Fact For: Manmeet S Soni 08/14/2018

**Signature of Reporting Person Date

Reporting Owners 2

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) 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.
- On May 8, 2017, the reporting person was granted a performance based stock option to purchase shares of ALNY common stock. The shares subject to the option will vest upon the commercial launch of Alnylams first internally developed product, as approved by our compensation committee. Effective August 13, 2018, the compensation committee of the Company determined the performance criterion has been met and the option shares have vested.

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.