ALNYLAM PHARMACEUTICALS, INC.

Form 4

December 22, 2015

UNITED STATES SECURITIES AND EXCHANGE COMMISSION

OMB APPROVAL

OMB 3235-0287 Number:

January 31, Expires: 2005

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response... 0.5

Check this box if no longer subject to Section 16.

Form 4 or

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

Washington, D.C. 20549

Form 5 obligations may continue. See Instruction

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

1(b).

(Print or Type Responses)

1. Name and Address of Reporting Person *

2. Issuer Name and Ticker or Trading

5. Relationship of Reporting Person(s) to

Issuer

SCHIMMEL PAUL

Symbol

[ALNY]

ALNYLAM PHARMACEUTICALS, INC.

(Check all applicable)

(Last)

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

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

below)

300 THIRD STREET

(Month/Day/Year) 11/19/2015

(Street)

4. If Amendment, Date Original

6. Individual or Joint/Group Filing(Check

Applicable Line)

Filed(Month/Day/Year)

X Form filed by One Reporting Person Form filed by More than One Reporting

I

Person

CAMBRIDGE, MA 02142

(Zip) (State) (City) Table I - Non-Derivative Securities Acquired, Disposed of, or Beneficially Owned 1.Title of 2. Transaction Date 2A. Deemed Security (Month/Day/Year) Execution Date, if

4. Securities TransactionAcquired (A) or Disposed of (D) Code (Instr. 8) (Instr. 3, 4 and 5) (Month/Day/Year)

5. Amount of Securities Beneficially (D) or Owned Following (Instr. 4)

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

Reported (A) Transaction(s)

or (Instr. 3 and 4)

Code V Amount

(D) Price

Common Stock

(Instr. 3)

11/19/2015

V 4,000 D \$0 306,996 by Trust (2)

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

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

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1. Title of	2.	3. Transaction Date	3A. Deemed	4.	5.	6. Date Exerc	cisable and	7. Title	and	8. Price of	9. Nu
Derivative	Conversion	(Month/Day/Year)	Execution Date, if	Transactio	orNumber	Expiration D	ate	Amour	nt of	Derivative	Deriv
Security	or Exercise		any	Code	of	(Month/Day/	Year)	Underl	ying	Security	Secui
(Instr. 3)	Price of		(Month/Day/Year)	(Instr. 8)	Derivative	e		Securit	ies	(Instr. 5)	Bene
	Derivative				Securities			(Instr. 3	3 and 4)		Own
	Security				Acquired						Follo
	•				(A) or						Repo
					Disposed						Trans
					of (D)						(Instr
					(Instr. 3,						
					4, and 5)						
									A		
									Amount		
						Date	Expiration		or		
						Exercisable Date					
									of		
				Code V	(A) (D)				Shares		

Reporting Owners

Reporting Owner Name / Address	Relationships						
	Director	10% Owner	Officer	Other			
SCHIMMEL PAUL							
300 THIRD STREET	X						
CAMBRIDGE, MA 02142							

Signatures

By: /s/ Michael P. Mason, Attorney-in-Fact For: Paul R. Schimmel

12/22/2015 Date

**Signature of Reporting Person

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 gifted 4,000 shares to the Fidelity Investments Charitable Gift Fund.
- (2) The Paul Schimmel Prototype PSP has holdings of 188,601 shares and the reporting person is trustee. The Schimmel Revocable Trust U/A dated 9/6/2000 has holdings of 118,395 shares and the reporting person and his spouse are trustees.

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.

Reporting Owners 2