ALNYLAM PHARMACEUTICALS, INC.

Form 4

January 27, 2014

FORM 4

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

STATEMENT OF CHANGES IN BENEFICIAL OWNERSHIP OF

SECURITIES

OMB APPROVAL OMB

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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).

Stock

(Print or Type Responses)

1. Name and A Reid Laurer	2. Issuer Name and Ticker or Trading Symbol ALNYLAM					5. Relationship of Reporting Person(s) to Issuer (Check all applicable)						
	PHARM [ALNY]	IACEUT]	ICALS,	INC.	•	Director 10% Owner						
(Last)	(First)	(Middle)	3. Date of Earliest Transaction (Month/Day/Year)					X_ Officer (give title Other (specify below) SVP, Chief Business Officer				
300 THIRD	01/23/2014					3.1, 3.11. 235.11255 3.1.1261						
	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, MA 02142								Form filed by More than One Reporting Person				
(City)	(State)	(Zip)	Tabl	e I - Non-D	Derivative	Secur	ities Acq	uired, Disposed o	f, or Beneficial	lly Owned		
1.Title of Security (Instr. 3)	2. Transaction Dat (Month/Day/Year)	ned n Date, if Day/Year)	3. Transactic Code (Instr. 8)	4. Securi on(A) or D: (Instr. 3,	ispose	d of (D)	5. Amount of Securities Beneficially Owned Following Reported Transaction(s) (Instr. 3 and 4)	Ownership Form: Direct (D) or	7. Nature of Indirect Beneficial Ownership (Instr. 4)			
Common Stock	01/23/2014			F	3,698 (1)	D	\$ 89.49	10,805	D			
Common								1,683	I	by Managed		

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

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Account (2)

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

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 Date		Amount	t of	Derivative	Deriv
Security	or Exercise		any	Code	of	(Month/Day/	Year)	Underly	ing	Security	Secui
(Instr. 3)	Price of		(Month/Day/Year)	(Instr. 8)	Derivative	e		Securitie	es	(Instr. 5)	Bene
	Derivative				Securities			(Instr. 3	and 4)		Own
	Security				Acquired						Follo
	•				(A) or						Repo
					Disposed						Trans
					of (D)						(Instr
					(Instr. 3,						
					4, and 5)						
								^	mount		
									mount		
						Date	Expiration Date	or Title Number of			
						Exercisable					
				C + V	(A) (D)						
				Code V	(A) (D)			S	hares		

Reporting Owners

Relationships Reporting Owner Name / Address

> Officer Other Director 10% Owner

Reid Laurence 300 THIRD STREET CAMBRIDGE, MA 02142

SVP, Chief Business Officer

Signatures

/s/ Michael P. Mason, Attorney-in-Fact for Laurence Reid

01/27/2014

**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).
- Withholding of shares of common stock to satisfy tax withholding obligations in connection with the vesting of previously awarded **(1)** restricted stock.
- The reporting person owns 1,683 shares of ALNY common stock under the ALNY 401(k) plan as a result of the ALNY 401(k) matching **(2)** contribution program.

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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