SEC Form 4 FORM 4	UNIT	ED STAT	TES	SECURITI	ES A	ND	EXCHAI	NGE	сом	IMIS	SION				
Washington, D.C. 20549											Γ	OMB APPROVAL			
Check this box if no longer subject to Section 16. Form 4 or Form 5 obligations may continue. See Instruction 1(b).	ST		OF CHANGI uant to Section 16(Section 30(h) of the	a) of the	RSł	אור או	Estima	Number: ated average burg per response:	3235-0287 den 0.5						
1. Name and Address of Reporting Person MARAGANORE JOHN	n*		AI	ssuer Name and Tic LNYLAM PH LNY]			5. Relationship of Reporting Person(s) to Issuer (Check all applicable) X Director 10% Owner Officer (circe title								
(Last) (First) 675 WEST KENDALL STREET HENRI A. TERMEER SQUARE	(Middle)			ate of Earliest Tran	saction	(Mon	th/Day/Year)	X Officer (give title Other (specify below) below) Chief Executive Officer							
(Street) CAMBRIDGE MA (City) (State)	02142 (Zip)		4. If Amendment, Date of Original Filed (Month/Day/Year)								6. Individual or Joint/Group Filing (Check Applicable Line) X Form filed by One Reporting Person Form filed by More than One Reporting Person				
Ta	able I - N	lon-Deriva	tive	Securities Ac	auire	d. D	isposed o	f. or B	enefic	cially	Owned				
1. Title of Security (Instr. 3) 2. Tran Date (Month			n	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 ar					ring	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		Transaction(s) (Instr. 3 and 4)			(1150.4)	
Common Stock		11/12/2021		1			33,978	Α	\$7	'.1	248,743		D		
Common Stock		11/12/2021			S ⁽¹⁾		10,365	D	\$170	.36 ⁽²⁾	238,378		D		
Common Stock		11/12/2021			S ⁽¹⁾		7,742	D	\$171	.35 ⁽³⁾	230,636		D		
Common Stock		11/12/2021			S ⁽¹⁾		14,518	D	\$172.22(4)		216,118		D		
Common Stock		11/12/202	21		S ⁽¹⁾		683	D	\$173	.25(5)	215,435		D		
Common Stock		11/12/202	21		S ⁽¹⁾		670	D	\$174	.34 ⁽⁶⁾	214,765		D		
Common Stock											3,133		Ι	by Managed Account ⁽⁷⁾	

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 Securities Underlying Derivative Security (Instr. 3 and 4)		8. Price of Derivative Security (Instr. 5)	9. Number of derivative Securities Beneficially Owned Following Reported Transaction(s) (Instr. 4)	10. Ownership Form: Direct (D) or Indirect (I) (Instr. 4)	11. Nature of Indirect Beneficial Ownership (Instr. 4)
				Code	v	(A)	(D)	Date Exercisable	Expiration Date	Title	Amount or Number of Shares				
Stock Option (right to buy)	\$7.1	11/12/2021		M ⁽¹⁾			33,978	(8)	11/30/2021	Common Stock	33,978	\$0.0	0	D	

Explanation of Responses:

1. All sales reported on this Form 4 were made pursuant to a Rule 10b5-1 trading plan adopted by the reporting person on September 9, 2020. The 33,978 options exercised and sold by the reporting person were due to expire on November 30, 2021.

2. Sale prices ranged from \$169.84 to \$170.84.

3. Sale prices ranged from \$170.85 to \$171.82.

4. Sale prices ranged from \$171.86 to \$172.84.

5. Sale prices ranged from \$172.90 to \$173.34.

6. Sale prices ranged from \$174.05 to \$174.63.

7. 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.

8. The stock option vested 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.

By: /s/ Mary Beth DeLena,

Attorney-in-Fact For: John M. <u>11/12/2021</u> Maraganore

** Signature of Reporting Person Date

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

 * 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).

Note: File three copies of this Form, one of which must be manually signed. If space is insufficient, see Instruction 6 for procedure.

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 Number.