FORM 4

UNITED STATES SECURITIES AND EXCHANGE COMMISSION

Washington, D.C. 20549

STATEMENT OF CHANGES IN BENEFICIAL OWNERSHIP

OMB APPROVAL									
OMP Number:	3235-0287								
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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).

Filed pursuant to Section 16(a) of the Securities Exchange Act of 1934 or Section 30(h) of the Investment Company Act of 1940

								` '										
Name and Address of Reporting Person* Lee Jennifer Kayden						2. Issuer Name and Ticker or Trading Symbol RHYTHM PHARMACEUTICALS, INC. [RYTM]								eck all appli Direct	cable)	ng Person(s) to Is 10% C		
(Last) 222 BER	`	(First) (Middle) Y STREET, 12TH FLOOR				3. Date of Earliest Transaction (Month/Day/Year) 11/14/2023								below EVI	below) EVP, Head of		below) h America	1
(Street) BOSTON	·			_ 4. I	4. If Amendment, Date of Original Filed (Month/Day/Year)							Line	Individual or Joint/Group Filing (Check Applicable ne) X Form filed by One Reporting Person Form filed by More than One Reporting Person					
(City) (State) (Zip)					1_	Rule 10b5-1(c) Transaction Indication Check this box to indicate that a transaction was made pursuant to a contract, instruction or written plan that is intended to satisfy the affirmative defense conditions of Rule 10b5-1(c). See Instruction 10.												
		Tab	le I - N	lon-Deri	ivativ	e Sec	curit	ties Ac	quire	d, D	isposed o	f, or Be	eneficial	y Owned	i			
1. Title of Security (Instr. 3) 2. Transaction Date (Month/Day/Y						Execution Date,		Date,			Acquired (A) or f (D) (Instr. 3, 4 and 5)			ies ially Following	Form (D) o	n: Direct or Indirect nstr. 4)	7. Nature of Indirect Beneficial Ownership (Instr. 4)	
								Code	v	Amount	(A) or (D)	Price	Reporte Transa (Instr. 3	tion(s)				
Common Stock 11/14/202					2023	!3		M		12,030	A	\$6.8	13,677			D		
Common Stock 11/14/202				2023	23		S ⁽¹⁾		13,677	D	\$32.0113	(2)	0		D			
		7	Γable Ι								posed of, convertil			Owned				
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. Transa Code (8)			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 derivative Securities Beneficial Owned Following Reported Transactio (Instr. 4)	i illy	10. Ownership Form: Direct (D) or Indirect (I) (Instr. 4)	Beneficial Ownership (Instr. 4)		
					Code	v	(A)	(D)	Date Exerci	isable	Expiration Date	Title	Amount or Number of Shares					
Stock Option (Right to Buy)	\$6.8	11/14/2023			M			12,030	(3	3)	02/08/2032	Common Stock	12,030	\$0	46,417	2	D	

Explanation of Responses:

- 1. The sale reported in this Form 4 was effected pursuant to a Rule 10b5-1 trading plan adopted by the Reporting Person on May 8, 2023.
- 2. The price reported in Column 4 is a weighted average price. These shares were sold in multiple transactions at per share prices ranging from \$32.00 to \$32.125. The Reporting Person undertakes to provide to the Issuer, any security holder of the Issuer or the staff of the Securities and Exchange Commission, upon request, full information regarding the number of shares sold at each separate price within the range set forth in this footnote.
- 3. The stock options were granted on February 9, 2022. The options vest and become exercisable in 16 substantially equal installments upon the Reporting Person's completion of each three full months of successive service to the Issuer following the grant date.

/s/ Hunter Smith, Attorney-in-Fact for Jennifer Lee

11/16/2023

** 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.