FORM 4

## UNITED STATES SECURITIES AND EXCHANGE COMMISSION

Washington, D.C. 20549

STATEMENT OF CHANGES IN BENEFICIAL OWNERSHIP

OMB APPROVAL									
OMB Number:	3235-0287								
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hours per response:	0.5								

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*     Cramer Pamela J.				_ <u>RY</u>	2. Issuer Name and Ticker or Trading Symbol RHYTHM PHARMACEUTICALS, INC. [ RYTM ]							<u>. [                                   </u>	eck all app Direc	icable) for r (give title	g Pers	son(s) to Iss 10% Ow Other (s below)	vner	
(Last) 222 BER	ast) (First) (Middle) 22 BERKELEY STREET				3. Date of Earliest Transaction (Month/Day/Year) 08/09/2024									Chief Human Resources O			er	
12TH FLOOR				4.	4. If Amendment, Date of Original Filed (Month/Day/Year)								6. Individual or Joint/Group Filing (Check Applicable Line)					
(Street)	N M	MA 02116												Form filed by One Reporting Person  Form filed by More than One Reporting Person				
(City)	ty) (State) (Zip)			R	Rule 10b5-1(c) Transaction Indication													
				V	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.													
Table I - Non-Derivative Securities Acquired, Disposed of, or Beneficially Owned																		
1. Title of Security (Instr. 3)  2. Transaction Date (Month/Day/Ye				Execution Date,				Acquired (A) or (D) (Instr. 3, 4 and 5)		Securi Benefi Owned	5. Amount of Securities Beneficially Owned Following Reported		n: Direct or Indirect nstr. 4)	7. Nature of Indirect Beneficial Ownership (Instr. 4)				
								Code	v	Amount	(A) or (D)	Price	Transa	etion(s) and 4)			(111501. 4)	
Common Stock 08/09/202				2024	24		M		30,771	A	\$19.02	6	2,506		D			
Common Stock 08/09/202				2024	24		<b>S</b> <sup>(1)</sup>		46,902	D	\$45.1262	(2) 1	5,604	D				
Common Stock 08/09/202				2024	24		<b>S</b> <sup>(1)</sup>		2,104	D	\$45.6221	(3) 1	3,500		D			
	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)	if any	emed ion Date, /Day/Year)	4. Transa Code ( 8)	5. Number		vative urities uired or oosed O) (Instr.	6. Date Exer Expiration E (Month/Day/		ate	7. Title and Amount of Securities Underlying Derivative Security (Instr. 3 and 4)		8. Price of Derivative Security (Instr. 5)	9. Numbe derivative Securities Beneficial Owned Following Reported Transactic (Instr. 4)	Owne Form: Direct or Ind (I) (Ins	10. Ownership Form: Direct (D) or Indirect (I) (Instr. 4)	11. Nature of Indirect Beneficial Ownership (Instr. 4)
					Code	v	(A)	(D)	Date Exerc	isable	Expiration Date	Title	Amount or Number of Shares					
Stock Options (Right to buy)	\$19.02	08/09/2024			M			30,771	(4	4)	07/25/2031	Commo	n 30,771	\$0	30,73	6	D	

## **Explanation of Responses:**

- 1. The sales reported in the Form 4 were effected pursuant to a Rule 10b5-1 instruction adopted on May 10, 2024.
- 2. The price reported is a weighted average price. The securities were sold in multiple transactions at per share prices ranging from \$44.53 to \$45.51. The Reporting Person undertakes to provide upon request the SEC staff, the Issuer, or any shareholder of the Issuer, full information regarding the number of securities sold at each separate price within the range set forth in this footnote.
- 3. The price reported is a weighted average price. The securities were sold in multiple transactions at per share prices ranging from \$45.53 to \$45.77. The Reporting Person undertakes to provide upon request the SEC staff, the Issuer, or any shareholder of the Issuer, full information regarding the number of securities sold at each separate price within the range set forth in this footnote.
- 4. The stock options were granted on July 26, 2021. 25% of the shares subject to the option vested and became exercisable on July 26, 2022 and the remaining 75% of the shares subject to the option vest or have vested and become exercisable in 12 substantially equal installments upon the Reporting Person's completion of each three full months of successive service to the Issuer thereafter.

/s/ Hunter Smith, attorney-infact for Pamela J. Cramer

08/13/2024

\*\* 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.