FORM 4

UNITED STATES SECURITIES AND EXCHANGE COMMISSION

Washington,	D C	20540
wasiiiigton,	D.C.	20049

STATEMENT OF CHANGES IN BENEFICIAL OWNERSHIP

OMB APP	ROVAL
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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

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Name and Address of Reporting Person* Shulman Joseph					RI	2. Issuer Name and Ticker or Trading Symbol RHYTHM PHARMACEUTICALS, INC. [RYTM]								heck	all applic Directo	or		10% Ov	vner	
(Last)	`	irst) ARMACEUTIC	(Middle)			3. Date of Earliest Transaction (Month/Day/Year) 02/16/2024									X Officer (give title below) Other (spe below) Chief Technical Officer					
222 BERKELEY STREET, 12TH FLOOR						4. If Amendment, Date of Original Filed (Month/Day/Year)								6. Individual or Joint/Group Filing (Check Applicable Line)						
(Street)														X Form filed by One Reporting Person Form filed by More than One Reporting						
BOSTO	N M	Ā	02116		L									Person						
(City) (State) (Zip)						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 - Nor	n-Deriv	ative	e Se	curities	s Ac	quired	Dis	posed c	f, or Be	neficia	lly (Owned					
1. Title of Security (Instr. 3) 2. Transa Date (Month/D						Execution Date,		Code (Instr. 5)			4 and Securitie Beneficia Owned F		es Form ially (D) of Following (I) (II		n: Direct r Indirect istr. 4)	7. Nature of Indirect Beneficial Ownership				
								Code	v	Amount	Amount (A) or (D)			Reported Transaction(s) (Instr. 3 and 4)				(Instr. 4)		
Common Stock 02/16/					6/202	4			A		33,750) ⁽¹⁾ A	\$)	33,780			D		
		•	Гable II -								osed of, converti				wned					
1. Title of Derivative Security (Instr. 3)	2. Conversion or Exercise Price of Derivative Security	3. Transaction Date (Month/Day/Year)	3A. Deemee Execution I if any (Month/Day	Date,		ransaction of ode (Instr. Derivative		ive ies ed ed nstr.	Expiration Date of (Month/Day/Year) Un		7. Title and Amo of Securities Underlying Derivative Secur (Instr. 3 and 4)		Deriva Secur		9. Number derivative Securities Beneficial Owned Following Reported Transactio (Instr. 4)	s Ily	10. Ownership Form: Direct (D) or Indirect (I) (Instr. 4)	11. Nature of Indirect Beneficial Ownership (Instr. 4)		
					Code	v	(A)	(D)	Date Exercisa		Expiration Date	Title	Amount or Number of Shares							
Restricted Stock Units	(2)	02/16/2024			A		16,500		(3)		(3)	Common Stock	16,500		\$0	16,500	0	D		
Stock Option (Right to Buy)	\$49.23	02/16/2024			A		50,250		(4)		02/15/2034	Common Stock	50,250		\$0	50,250	0	D		

Explanation of Responses:

- 1. The Issuer previously granted the Reporting Person an award of restricted stock units that vest based on the Issuer's satisfaction of certain performance objectives. On February 16, 2024, the Board determined that the performance condition had been satisfied.
- 2. Each restricted stock unit represents a contingent right to receive one share of Issuer common stock.
- 3. The restricted stock units vest as to 25% of the total shares on each of February 16, 2025, February 16, 2026, February 16, 2027 and February 16, 2028. The restricted stock units have no expiration date.
- 4. The stock options were granted on February 16, 2024. 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 Joseph Shulman

02/21/2024

** 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.