FORM 4

UNITED STATES SECURITIES AND EXCHANGE COMMISSION

Washington, I	D.C.	20549
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STATEMENT OF CHANGES IN BENEFICIAL OWNERSHIP

OMB APPROVAL										
OMB Number:	3235-0287									
Estimated average burden										
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

1. Name and Address of Reporting Person* Foley Todd (Last) (First) (Middle) 222 BERKELEY STREET, SUITE 1200 (Street) BOSTON MA 02116 (City) (State) (Zip)						RHYTHM PHARMACEUTICALS, INC. [RYTM] 3. Date of Earliest Transaction (Month/Day/Year) 06/17/2020								heck X	all applic Directo Officer below) idual or J	cable) r (give title oint/Group led by One	son(s) to Iss 10% Ov Other (s below) (Check Ap orting Perso of One Repo	vner specify plicable	
Table I - Non-Derivative Securities Acquired, Disposed of, or Beneficially Owned																			
1. Title of Security (Instr. 3) 2. Transac Date (Month/Date)					action	2A. Deemed Execution Date,			3. Transac Code (I	ction	4. Securi	ties Acquire d Of (D) (Ins	ed (A) or tr. 3, 4 an	d	5. Amount of		6. Ownership Form: Direct (D) or Indirect (I) (Instr. 4)		7. Nature of Indirect Beneficial Ownership (Instr. 4)
	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		3A. Deemed Execution I if any (Month/Day	Date,		ansaction of de (Instr. Se Ac (A Di of		of E		6. Date Exercisa Expiration Date (Month/Day/Yea		of Securitie		De Se	8. Price of Derivative Security (Instr. 5)	9. Numbe derivative Securities Beneficial Owned Following Reported Transactio (Instr. 4)	Over Section 1	10. Ownership Form: Direct (D) or Indirect (I) (Instr. 4)	11. Nature of Indirect Beneficial Ownership (Instr. 4)
c				Code	v	(A)		Date Exercisabl		xpiration ate	Title	Amount or Number of Shares							
Stock Option (right to buy)	\$21.37	06/17/2020			A		18,500		(1)	0	6/16/2030	Common Stock	18,500		\$0	18,500	0	D	

Explanation of Responses:

1. The options fully vest upon the earlier of (i) 1 year from the date of grant or (ii) the date of the Issuer's next annual meeting of the stockholders.

/s/ Hunter Smith, attorney-in-

06/18/2020

fact

** 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.