SEC Form 4

FORM 4

UNITED STATES SECURITIES AND EXCHANGE COMMISSION

Washington, D.C. 20549

OMB APPROVAL OMB Number: 3235-0287 STATEMENT OF CHANGES IN BENEFICIAL OWNERSHIP Check this box if no longer subject to Section 16. Form 4 or Form 5 Estimated average burden obligations may continue. See hours per response 0.5 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 2. Issuer Name and Ticker or Trading Symbol 5. Relationship of Reporting Person(s) to Issuer 1. Name and Address of Reporting Person' (Check all applicable) **RHYTHM PHARMACEUTICALS, INC.** THIRD ROCK VENTURES LP Director 10% Owner X RYTM] Officer (give title Other (specify below) below) (Last) (First) (Middle) C/O THIRD ROCK VENTURES, LLC, 3. Date of Earliest Transaction (Month/Day/Year) 10/10/2017 29 NEWBURY STREET, 3RD FLOOR 4. If Amendment, Date of Original Filed (Month/Day/Year) 6. Individual or Joint/Group Filing (Check Applicable Line) (Street) Form filed by One Reporting Person BOSTON MA 02116 Form filed by More than One Reporting Person X (City) (State) (Zip) Table I - Non-Derivative Securities Acquired, Disposed of, or Beneficially Owned 4. Securities Acquired (A) or Disposed Of (D) (Instr. 3, 4 and 5) 2. Transaction 2A. Deemed 6. Ownership 1. Title of Security (Instr. 3) 5. Amount of 7. Nature of Securities Beneficially Owned Indirect Execution Date Transaction Form: Direct Beneficial (Month/Day/Year) (D) or Indirect Code (Instr. if any (Month/Dav/Year) 8) Following (I) (Instr. 4) Ownership Reported Transaction(s) (Instr. 3 and 4) (Instr. 4) (A) or (D) Code v Amount Price 3,963,810(1) **D**⁽³⁾ Common Stock 10/10/2017 С A (2) 3,981,437 Table II - Derivative Securities Acquired, Disposed of, or Beneficially Owned (e.g., puts, calls, warrants, options, convertible securities) 1. Title of 6. Date Exercisable and 3. Transaction 3A. Deemed 5. Number of 7. Title and Amount of 8. Price of 9. Number of 11. Nature 10 Derivative Security (Instr. 3) Securities Underlying Derivative Security (Instr. 3 and 4) Transaction Expiration Date (Month/Day/Year) Conversion Da Execution Date Derivative Derivative derivative Ownership of Indirect (Month/Day/Year) or Exercise Price of Code (Instr. Securities Security (Instr. 5) Securities Form: Direct (D) Beneficial if any (Month/Day/Year) 8) Acquired (A) or Beneficially Ownership Disposed of (D) (Instr. 3, 4 and 5) Derivative Owned or Indirect (Instr. 4) Security Following (I) (Instr. 4) Reported Transaction(s) Amount or Number of Shares (Instr. 4) Expiration Date v (A) (D) Date Title Code Exercisable Series A Convertibl Commor 10/10/2017 С 9,479,502 (2)1,033,751 \$<mark>0.00</mark> 0 **D**⁽³⁾ Stock Preferred Stock Series A-1 **D**⁽³⁾ Junio (2) 10/10/2017 (2) (2) Commor 2,930,059 С 26,868,642 \$0.00 0 Preferred Stock Stock 1. Name and Address of Reporting Person' THIRD ROCK VENTURES LP (Last) (First) (Middle) C/O THIRD ROCK VENTURES, LLC, 29 NEWBURY STREET, 3RD FLOOR (Street) 02116 BOSTON MA (City) (State) (Zip) 1. Name and Address of Reporting Person' Third Rock Ventures GP, L.P. (Middle) (Last) (First) 29 NEWBURY STREET, 3RD FLOOR (Street) 02116 BOSTON MA (City) (State) (Zip) 1. Name and Address of Reporting Person* TRV GP, LLC

(Last) (First) (Middle) 29 NEWBURY STREET, 3RD FLOOR

(Street) BOSTON	МА	02116		
(City)	(State)	(Zip)		
1. Name and Address of Reporting Person [*] <u>LEVIN MARK J</u>				
(Last)	(First)	(Middle)		
29 NEWBURY STREET, 3RD FLOOR				
(Street) BOSTON	МА	02116		
(City)	(State)	(Zip)		
1. Name and Address of Reporting Person [*] <u>STARR KEVIN P</u>				
(Last) 29 NEWBURY STI	(First) REET, 3RD FLOOR	(Middle)		
(Street) BOSTON	МА	02116		
(City)	(State)	(Zip)		
1. Name and Address o TEPPER ROBE				
(Last) 29 NEWBURY STI	(First) REET, 3RD FLOOR	(Middle)		
(Street) BOSTON	МА	02116		
(City)	(State)	(Zip)		

Explanation of Responses:

1. Represents the total number of shares of Common Stock received by Third Rock Ventures, L.P. ("TRV") upon conversion of the Series A Convertible Preferred Stock and Series A-1 Junior Preferred Stock of the Issuer in connection with the closing of the Issuer's initial public offering.

2. The Series A Convertible Preferred Stock and Series A-1 Junior Preferred Stock converted into Common Stock on a 9.17-for-one basis upon the closing of the Issuer's initial public offering without payment of consideration. The Series A Convertible Preferred Stock and Series A-1 Junior Preferred Stock were convertible at any time at the holder's election and automatically upon the closing of the Issuer's initial public offering. The Preferred Stock had no expiration date.

3. These shares are directly held by TRV. The general partner of TRV is Third Rock Ventures GP, L.P. ("TRV GP"). The general partner of TRV GP is TRV GP, LLC ("TRV GP LLC"). The individual managers of TRV GP LLC are Mark Levin ("Levin"), Kevin Starr ("Starr") and Dr. Robert Tepper ("Tepper"). Each of TRV GP, TRV GP LLC, Levin, Starr and Tepper disclaims beneficial ownership of these shares except to the extent of its or his pecuniary interest therein, if any, and this report shall not be deemed an admission that it or he is the beneficial owner of such shares.

Remarks:

/s/ Kevin Gillis, Chief Financial Officer of TRV GP, LLC, general partner of Third Rock Ventures GP, L.P., general partner of Third Rock Ventures, L.P.	10/11/2017
<u>/s/ Kevin Gillis, Chief Financial</u> <u>Officer of TRV GP, LLC, general</u> <u>partner of Third Rock Ventures</u> <u>GP, L.P.</u>	10/11/2017
<u>/s/ Kevin Gillis, Chief Financial</u> <u>Officer of TRV GP, LLC</u>	<u>10/11/2017</u>
<u>/s/ Kevin Gillis by power of attorney for Mark Levin</u>	<u>10/11/2017</u>
<u>/s/ Kevin Gillis by power of attorney for Kevin Starr</u>	<u>10/11/2017</u>
<u>/s/ Kevin Gillis by power of attorney for Dr. Robert Tepper</u>	<u>10/11/2017</u>
** 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.