SEC Form 3 FORM 3

UNITED STATES SECURITIES AND EXCHANGE

COMMISSION Washington, D.C. 20549

OMB APPROVAL

OMB Number: 3235-0104

INITIAL STATEMENT OF BENEFICIAL OWNERSHIP OF SECURITIES

Estimated average burden hours per response: 0.5

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	* 2. Date (2. Date of Event Requiring Statement (Month/Day/Year) 06/18/2020		3. Issuer Name and Ticker or Trading Symbol <u>Repare Therapeutics Inc.</u> [RPTX]									
ORBIM	🧕 🛛 (Month/I												
(Last) (First) (Middle) 601 LEXINGTON AVENUE 54TH FLOOR					4. Relationship of Reporting Person(s) to Issuer (Check all applicable) X Director X 10% Owner Officer (give title below) below)				File 6. Ir	5. If Amendment, Date of Original Filed (Month/Day/Year)6. Individual or Joint/Group Filing			
(Street) NEW NY 10022 YORK									ecify (Check Applicable Form filed b Person		e Line) by One Reporting by More than One		
(City)	(State)) (Zip)	_										
Table I - Non-Derivative Securities Beneficially Owned													
1. Title of Security (Instr. 4)										4. Nature of Indirect Beneficial Ownership (Instr. 5)			
Table II - Derivative Securities Beneficially Owned (e.g., puts, calls, warrants, options, convertible securities)													
Exp			2. Date Exerc Expiration Day (Month/Day/	ate	and	3. Title and Amount of Securities Underlying Derivative Security (Instr. 4)		4. Conversion or Exercise Price of			6. Nature of Indirect Beneficial Ownership (Instr.		
	Date Exercisable	Expiration Sable Date		Title	Nu	nount or mber of ares	Derivative Security		or Indirect (I) (Instr. 5)	5)			
Class B Pre	(1)	(1)		Common Shares	2,6	501,325	(1)		Ι	See Footnote ⁽²⁾			
1. Name and Address of Reporting Person* ORBIMED ADVISORS LLC													
(Last) 601 LEXII 54TH FLC	(Middle)												
(Street) NEW YORK NY 1002			10022										
(City)	(State)	(Zip)										
1. Name and Address of Reporting Person [*] OrbiMed Capital GP VII LLC													
(Last) (First) (Middle) 601 LEXINGTON AVENUE, 54TH FLOOR													
(Street) NEW YOF	RK I	NY	10022										
(City)	(State)	(Zip)										

Explanation of Responses:

2. These securities are held of record by OrbiMed Private Investments VII, LP ("OPI VII"). OrbiMed Capital GP VII LLC ("OrbiMed GP VII") is the general partner of OPI VII

^{1.} Each Class B Preferred Share is convertible at any time, at the holder's election, into Common Shares, on a one-for-one basis, has no expiration date and will convert into Common Shares upon the closing of the Issuer's initial public offering.

and OrbiMed Advisors LLC ("OrbiMed Advisors") is the managing member of OrbiMed GP VII. By virtue of such relationships, OrbiMed GP VII and OrbiMed Advisors may be deemed to have voting power and investment power over the securities held by OPI VII and as a result, may be deemed to have beneficial ownership over such securities. OrbiMed Advisors exercises voting and investment power through a management committee comprised of Carl L. Gordon, Sven H. Borho, and Jonathan T. Silverstein, each of whom disclaims beneficial ownership of the shares held by OPI VII.

Remarks:

OrbiMed Advisors LLC, By: /s/ Douglas Coon, Chief Compliance Officer	<u>06/18/2020</u>
OrbiMed Capital GP VII LLC, By: /s/ Douglas Coon, Chief Compliance Officer	<u>06/18/2020</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 5 (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.