

OMB APPROVAL	
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STATEMENT OF CHANGES IN BENEFICIAL OWNERSHIP

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* <u>Versant Ventures V, LLC</u> <hr/> (Last) (First) (Middle) ONE SANSOME STREET SUITE 3630 <hr/> (Street) SAN FRANCISCO CA 94104 <hr/> (City) (State) (Zip)	2. Issuer Name and Ticker or Trading Symbol <u>Repare Therapeutics Inc. [RPTX]</u>	5. Relationship of Reporting Person(s) to Issuer (Check all applicable) Director <input checked="" type="checkbox"/> 10% Owner Officer (give title below) Other (specify below)
	3. Date of Earliest Transaction (Month/Day/Year) 12/15/2020	
4. If Amendment, Date of Original Filed (Month/Day/Year)		

Table I - Non-Derivative Securities Acquired, Disposed of, or Beneficially Owned

1. Title of Security (Instr. 3)	2. Transaction Date (Month/Day/Year)	2A. Deemed Execution Date, if any (Month/Day/Year)	3. Transaction Code (Instr. 8)		4. Securities Acquired (A) or Disposed Of (D) (Instr. 3, 4 and 5)			5. Amount of Securities Beneficially Owned Following Reported Transaction(s) (Instr. 3 and 4)	6. Ownership Form: Direct (D) or Indirect (I) (Instr. 4)	7. Nature of Indirect Beneficial Ownership (Instr. 4)
			Code	V	Amount	(A) or (D)	Price			
Common Shares	12/15/2020		J ⁽¹⁾		285,217	D	\$0.00	2,531,804	I	See Footnote ⁽²⁾
Common Shares	12/15/2020		J ⁽³⁾		8,579	D	\$0.00	76,158	I	See Footnote ⁽⁴⁾
Common Shares	12/15/2020		J ⁽⁵⁾		9,497	D	\$0.00	84,301	I	See Footnote ⁽⁶⁾
Common Shares	12/15/2020		J ⁽⁷⁾		21,707	D	\$0.00	192,683	I	See Footnote ⁽⁸⁾
Common Shares								3,419,451	I	See Footnote ⁽⁹⁾
Common Shares								608,282	I	See Footnote ⁽¹⁰⁾

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)	3A. Deemed Execution Date, if any (Month/Day/Year)	4. Transaction Code (Instr. 8)		5. Number of Derivative Securities Acquired (A) or Disposed of (D) (Instr. 3, 4 and 5)		6. Date Exercisable and Expiration Date (Month/Day/Year)		7. Title and Amount of Securities Underlying Derivative Security (Instr. 3 and 4)	8. Price of Derivative Security (Instr. 5)	9. Number of derivative Securities Beneficially Owned Following Reported Transaction(s) (Instr. 4)	10. Ownership Form: Direct (D) or Indirect (I) (Instr. 4)	11. Nature of Indirect Beneficial Ownership (Instr. 4)
				Code	V	(A)	(D)	Date Exercisable	Expiration Date					

1. Name and Address of Reporting Person* <u>Versant Ventures V, LLC</u> <hr/> (Last) (First) (Middle) ONE SANSOME STREET SUITE 3630 <hr/> (Street) SAN FRANCISCO CA 94104 <hr/> (City) (State) (Zip)
1. Name and Address of Reporting Person* <u>Versant Ophthalmic Affiliates I, L.P.</u> <hr/> (Last) (First) (Middle)

ONE SANSOME STREET

SUITE 3630

(Street)

SAN FRANCISCO CA 94104

(City)

(State)

(Zip)

1. Name and Address of Reporting Person*

[Versant Affiliates Fund V, L.P.](#)

(Last) (First) (Middle)

ONE SANSOME STREET
SUITE 3630

(Street)

SAN FRANCISCO CA 94104

(City)

(State)

(Zip)

1. Name and Address of Reporting Person*

[Versant Venture Capital V \(Canada\), LP](#)

(Last) (First) (Middle)

ONE SANSOME STREET
SUITE 3630

(Street)

SAN FRANCISCO CA 94104

(City)

(State)

(Zip)

1. Name and Address of Reporting Person*

[Versant Ventures V GP-GP \(Canada\), Inc.](#)

(Last) (First) (Middle)

ONE SANSOME STREET
SUITE 3630

(Street)

SAN FRANCISCO CA 94104

(City)

(State)

(Zip)

1. Name and Address of Reporting Person*

[Versant Venture Capital V, L.P.](#)

(Last) (First) (Middle)

ONE SANSOME STREET
SUITE 3630

(Street)

SAN FRANCISCO CA 94104

(City)

(State)

(Zip)

1. Name and Address of Reporting Person*

[Versant Venture Capital VI, L.P.](#)

(Last) (First) (Middle)

ONE SANSOME STREET, SUITE 3630

(Street)

SAN FRANCISCO CA 94104

(City)	(State)	(Zip)
1. Name and Address of Reporting Person*		
Versant Ventures VI GP, L.P.		
(Last)	(First)	(Middle)
ONE SANSOME STREET		
SUITE 3630		
(Street)		
SAN FRANCISCO	CA	94104
(City)	(State)	(Zip)
1. Name and Address of Reporting Person*		
Versant Ventures VI GP-GP, LLC		
(Last)	(First)	(Middle)
ONE SANSOME STREET		
SUITE 3630		
(Street)		
SAN FRANCISCO	CA	94104
(City)	(State)	(Zip)
1. Name and Address of Reporting Person*		
Versant Ventures V (Canada), L.P.		
(Last)	(First)	(Middle)
ONE SANSOME STREET		
SUITE 3630		
(Street)		
SAN FRANCISCO	CA	94104
(City)	(State)	(Zip)

Explanation of Responses:

- Represents a pro-rata distribution, and not a purchase or sale, without additional consideration by Versant Venture Capital V, L.P. ("VVC V"), to its partners, pursuant to a Rule 10b5-1 trading plan.
- Shares held by VVC V. Versant Ventures V, LLC ("VV V") is the sole general partner of VVC V. Jerel C. Davis, a member of the Issuer's board of directors, is a managing member of VV V and may be deemed to share voting and dispositive power over the shares held by VVC V. Each of VV V and Jerel C. Davis disclaims beneficial ownership of the shares held by VVC V, except to the extent of their respective pecuniary interest therein. Jerel C. Davis is a director of the Issuer and, accordingly files separate Section 16 reports.
- Represents a pro-rata distribution, and not a purchase or sale, without additional consideration by Versant Affiliates Fund V, L.P. ("VAF V"), to its partners, pursuant to a Rule 10b5-1 trading plan.
- Shares held by VAF V. VV V is the sole general partner of VAF V. Jerel C. Davis, a member of the Issuer's board of directors, is a managing member of VV V and may be deemed to share voting and dispositive power over the shares held by VAF V. Each of VV V and Jerel C. Davis disclaims beneficial ownership of the shares held by VAF V, except to the extent of their respective pecuniary interest therein. Jerel C. Davis is a director of the Issuer and, accordingly files separate Section 16 reports.
- Represents a pro-rata distribution, and not a purchase or sale, without additional consideration by Versant Ophthalmic Affiliates, L.P. ("VOAF I"), to its partners, pursuant to a Rule 10b5-1 trading plan.
- Shares held by VOAF I. VV V is the sole general partner of VOAF I. Jerel C. Davis, a member of the Issuer's board of directors, is a managing member of VV V and may be deemed to share voting and dispositive power over the shares held by VOAF I. Each of VV V and Jerel C. Davis disclaims beneficial ownership of the shares held by VOAF I, except to the extent of their respective pecuniary interest therein. Jerel C. Davis is a director of the Issuer and, accordingly files separate Section 16 reports.
- Represents a pro-rata distribution, and not a purchase or sale, without additional consideration by Versant Venture Capital V (Canada) LP ("VVC V (Canada)"), to its partners, pursuant to a Rule 10b5-1 trading plan.
- Shares held by VVC V (Canada). Versant Ventures V (Canada) GP-GP, Inc. ("VV V (Canada) GP") is the sole general partner of Versant Ventures V (Canada), L.P. ("VV V (Canada)") and VV V (Canada) is the sole general partner of VVC V (Canada). Jerel C. Davis, a member of the Issuer's board of directors, is a director of VV V (Canada) GP and may be deemed to share voting and dispositive power over the shares held by VVC V (Canada). Each of VV V (Canada), VV V (Canada) GP and Jerel C. Davis disclaims beneficial ownership of the shares held by VVC V (Canada), except to the extent of their respective pecuniary interest therein. Jerel C. Davis is a director of the Issuer and, accordingly files separate Section 16 reports.
- Shares held by Versant Venture Capital VI, L.P. ("VVC VI"). Versant Ventures VI GP-GP, LLC ("VV VI GP") is the sole general partner of Versant Ventures VI GP, L.P. ("VV VI") and VV VI is the sole general partner of VVC VI. Jerel C. Davis, a member of the Issuer's board of directors, is a managing member of VV VI GP and may be deemed to share voting and dispositive power over the shares held by VVC VI. Each of VV VI GP, VV VI and Jerel C. Davis disclaims beneficial ownership of the shares held by VVC VI, except to the extent of their respective pecuniary interest therein. Jerel C. Davis is a director of the Issuer and, accordingly files separate Section 16 reports.
- Shares held by Versant Vantage I, L.P. ("VV I"). Versant Vantage I GP-GP, LLC ("VV I GP-GP") is the sole general partner of Versant Vantage I GP, L.P. ("VV I GP") and VV I GP is the sole general partner of VV I. Jerel C. Davis, a member of the Issuer's board of directors, is a managing member of VV I GP-GP and may be deemed to share voting and dispositive power over the shares held by VV I. Each of VV I GP-GP, VV I GP and Jerel C. Davis disclaims beneficial ownership of the shares held by VV I, except to the extent of their respective pecuniary interest therein. Jerel C. Davis is a director of the Issuer and, accordingly files separate Section 16 reports.

Remarks:

[/s/ Robin L. Praeger,](#)
[Managing Director of Versant](#) [12/17/2020](#)
[Ventures V, LLC](#)

[/s/ Robin L. Praeger,](#)
[Managing Director of Versant](#)
[Ventures V, LLC, general](#) [12/17/2020](#)
[partner of Versant Ophthalmic](#)
[Affiliates Fund I, L.P.](#)

[/s/ Robin L. Praeger,](#) [12/17/2020](#)
[Managing Director of Versant](#)

Ventures V, LLC, general partner of Versant Affiliates Fund V, L.P.

/s/ Robin L. Praeger, Director of Versant Ventures V GP-GP (Canada), Inc., general partner of Versant Ventures V (Canada) L.P., the general partner of Versant Venture Capital V (Canada) LP 12/17/2020

/s/ Robin L. Praeger, Director of Versant Ventures V GP-GP (Canada), Inc., general partner of Versant Ventures V (Canada) L.P. 12/17/2020

/s/ Robin L. Praeger, Director of Versant Ventures V GP-GP (Canada), Inc. 12/17/2020

/s/ Robin L. Praeger, Managing Director of Versant Ventures VI GP-GP LLC, general partner of Versant Ventures VI GP, L.P., the general partner of Versant Venture Capital VI, L.P. 12/17/2020

/s/ Robin L. Praeger, Managing Director of Versant Ventures VI GP-GP LLC, general partner of Versant Ventures VI GP, L.P. 12/17/2020

/s/ Robin L. Praeger, Managing Director of Versant Ventures VI GP-GP LLC 12/17/2020

/s/ Robin L. Praeger, Managing Director of Versant Ventures V, LLC, the general partner of Versant Venture Capital V, L.P. 12/17/2020

** 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.