

STATEMENT OF CHANGES IN BENEFICIAL OWNERSHIP

OMB APPROVAL	
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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

1. Name and Address of Reporting Person* <u>Jerel Davis</u> (Last) (First) (Middle) C/O REPAIRE THERAPEUTICS INC. 7210 FREDERICK-BANTING, SUITE 100 (Street) ST-LAURENT A8 (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) <input checked="" type="checkbox"/> 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)	6. Individual or Joint/Group Filing (Check Applicable Line) <input checked="" type="checkbox"/> Form filed by One Reporting Person Form filed by More than One Reporting Person

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 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					

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. The Reporting Person, 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 the Reporting Person disclaims beneficial ownership of the shares held by VVC V, except to the extent of their respective pecuniary interest therein.
- 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. The Reporting Person, 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 the Reporting Person disclaims beneficial ownership of the shares held by VAF V, except to the extent of their respective pecuniary interest therein.
- 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. The Reporting Person, 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 the Reporting Person disclaims beneficial ownership of the shares held by VOAF I, except to the extent of their respective pecuniary interest therein.
- 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). The Reporting Person, 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 the Reporting Person disclaims beneficial ownership of the shares held by VVC V (Canada), except to the extent of their respective pecuniary interest therein.
- 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. The Reporting Person, 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 the Reporting Person disclaims beneficial ownership of the shares held by VVC VI, except to the extent of their respective pecuniary interest therein.
- 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. The Reporting Person, 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 the Reporting Person disclaims beneficial ownership of the shares held by VV I, except to the extent of their respective pecuniary interest therein.

Remarks:

/s/ Robin L. Praeger,
Attorney-in-Fact for Jerel C. Davis 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.