

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>Segal Lloyd Mitchell</u> (Last) (First) (Middle) C/O REPARE THERAPEUTICS INC. (Street) ST-LAURENT A8 H4S 1Z9 (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 10% Owner <input checked="" type="checkbox"/> Officer (give title below) Other (specify below) <u>PRESIDENT AND CEO</u>
	3. Date of Earliest Transaction (Month/Day/Year) <u>03/28/2024</u>	
4. If Amendment, Date of Original Filed (Month/Day/Year)		
Rule 10b5-1(c) Transaction Indication <input checked="" type="checkbox"/> Check this box to indicate that a transaction was made pursuant to a contract, instruction or written plan that is intended to satisfy the affirmative defense conditions of Rule 10b5-1(c). See Instruction 10.		

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	03/28/2024		s ⁽¹⁾		2,650	D	\$4.62 ⁽²⁾	110,049 ⁽³⁾	I	See footnote ⁽⁴⁾
Common Shares	04/01/2024		s ⁽¹⁾		2,491	D	\$4.63 ⁽⁵⁾	107,558	I	See footnote ⁽⁴⁾
Common Shares								102,678 ⁽³⁾⁽⁶⁾	D	

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		Date Exercisable	Expiration Date					

Explanation of Responses:

- This transaction was made pursuant to a Rule 10b5-1 trading plan adopted by the holder on December 22, 2023. On January 30, 2023, the holder was granted 78,550 restricted stock units ("RSUs"), as previously reported on a Form 4 filed on February 1, 2023, of which 26,183 of these RSUs vested on January 30, 2024. Amounts reported herein represent shares sold by the holder solely to satisfy the holder's tax withholding obligation due in connection with the vesting and settlement of this tranche of the RSUs and do not represent a discretionary sale by the holder.
- The price reported in Column 4 is a weighted average price. These shares were sold in multiple transactions at prices ranging from \$4.47 to \$4.84 inclusive. The Reporting Person undertakes to provide to the Issuer, any security holder of the Issuer, or the staff of the Securities and Exchange Commission, upon request, full information regarding the number of shares sold at each separate price within the ranges set forth in footnotes (2) and (4).
- The change in the total shares prior to the transactions reported herein reflects a change in form of ownership from direct to indirect, which was exempt from reporting pursuant to Rule 16a-13.
- These securities are registered in the name of Arvala Inc. (f/k/a 3996953 Canada Inc., the "Company"). The Reporting Person is the sole stockholder of the Company.
- The price reported in Column 4 is a weighted average price. These shares were sold in multiple transactions at prices ranging from \$4.58 to \$4.65 inclusive.
- Includes 1,217 shares, 967 shares and 2,000 shares acquired on February 15, 2023, August 15, 2023 and February 15, 2024, respectively, under the Issuer's employee stock purchase plan.

/s/ Steve Forte, Attorney-in-Fact 04/01/2024
 ** 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.