

OMB APPROVAL	
OMB Number:	3235-0287
Estimated average burden hours per response:	0.5

**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>Segal Lloyd Mitchell</u>  (Last) (First) (Middle) C/O REPARE THERAPEUTICS INC. 7210 FREDERICK-BANTING, SUITE 100  (Street) ST-LAURENT A8 H4S 2A1  (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 10% Owner <input checked="" type="checkbox"/> Officer (give title below) Other (specify below)  <b>President and CEO</b>
	3. Date of Earliest Transaction (Month/Day/Year) 06/03/2021	
	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 Indirect Beneficial Ownership (Instr. 4)
			Code	V	Amount	(A) or (D)	Price			
Common Stock	06/03/2021		S		6,648	D	\$31.74 <sup>(1)</sup>	126,936	I	See footnote <sup>(2)</sup>
Common Stock	06/04/2021		S		17,180	D	\$30.64 <sup>(3)</sup>	109,756	I	See footnote <sup>(2)</sup>
Common Stock	06/04/2021		S		12,172	D	\$31.36 <sup>(4)</sup>	97,584	I	See footnote <sup>(2)</sup>
Common Stock	06/04/2021		M		5,000	A	\$1.637	10,000	D	
Common Stock	06/04/2021		S		5,000	D	\$31.25 <sup>(5)</sup>	5,000	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	(A)	(D)	Date Exercisable	Expiration Date						Amount or Number of Shares
Employee Stock Option (right to buy)	\$1.637	06/04/2021		M			5,000	(6)	06/22/2027	Common Stock	5,000	\$0.00	283,683	D	

**Explanation of Responses:**

- The price reported in Column 4 is a weighted average price. These shares were sold in multiple transactions at prices ranging from \$31.50 to \$32.15 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 (1), (3), (4) and (5).
- 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 \$30.20 to \$31.19 inclusive.
- The price reported in Column 4 is a weighted average price. These shares were sold in multiple transactions at prices ranging from \$31.215 to \$31.65 inclusive.
- The price reported in Column 4 is a weighted average price. These shares were sold in multiple transactions at prices ranging from \$30.90 to \$31.49 inclusive.
- Twenty-five percent (25%) of the shares subject to the option vested on June 22, 2018, and one thirty-sixth (1/36th) of the remaining shares subject to the option vested or shall vest each month thereafter, subject to Reporting Person continuing to provide service through each such date.

**Remarks:**

/s/ Steve Forte, Attorney-in-Fact 06/07/2021

\*\* 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.