

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>Koehler Maria</u> (Last) (First) (Middle) <u>C/O REPAIRE THERAPEUTICS INC.</u> <u>7210 FREDERICK-BANTING, SUITE 100</u> (Street) <u>ST-LAURENT A8 H4S 2A1</u> (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 _____ Officer (give title below) _____ Other (specify below) _____ <u>EVP, Chief Medical Officer</u>
	3. Date of Earliest Transaction (Month/Day/Year) <u>12/10/2021</u>	
	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	12/10/2021		M		48,460	A	\$2.062	100,955	D	
Common Shares	12/10/2021		M		51	A	\$2.425	101,006	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				
Employee Stock Option (right to buy)	\$2.062	12/10/2021		M		48,460	(1)	05/01/2029	Common Shares	48,460	\$0.00	92,875	D	
Employee Stock Option (right to buy)	\$2.425	12/10/2021		M		51	(2)	12/16/2029	Common Shares	51	\$0.00	111,298	D	

Explanation of Responses:

- Twenty-five percent (25%) of the shares subject to the option vested on May 1, 2020, 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.
- Twenty-five percent (25%) of the shares subject to the option vested on December 16, 2020, and one thirty-ninth (1/39th) of the remaining shares subject to the option shall vest each month thereafter, subject to Reporting Person continuing to provide service through each such date.

Remarks:

/s/ Steve Forte, Attorney-in-Fact 12/10/2021

** 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.