FORM 4

UNITED STATES SECURITIES AND EXCHANGE COMMISSION

Washington,	D.C.	20549
vvasilington,	D.C.	20040

STATEMENT	OF CHANGES	IN BENEFICIAL	OWNERSHIP

OMB APPROVAL 3235-0287 Estimated average burden

0.5

hours per response:

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

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1. Name and Address of Reporting Person* $Foley Todd$			2. Issuer Name and Ticker or Trading Symbol Repare Therapeutics Inc. [RPTX]									5. Relationship of Reporting Person(s) to Issuer (Check all applicable)									
<u>roley rodu</u>														X Director 10%							
(Last) (First) (Middle) C/O MPM CAPITAL				3. Date of Earliest Transaction (Month/Day/Year) 06/03/2021									Officer (give title Other (specify below) below)						cify		
450 KENDALL STREET				4. If <i>i</i>	4. If Amendment, Date of Original Filed (Month/Day/Year)									6. Individual or Joint/Group Filing (Check Applicable							
(Street) CAMBRIDGE MA 02142					3 (Line) X Form filed by One Reporting Person Form filed by More than One Reporting Person						
(City)		(Stat	e) (Z	(ip)																	
			Table	I - Non-Deriva	tive \$	Secu	rities	Acqu	ired,	Disp	osed	of, or	Bene	ficia	lly Own	ed					
1. Title of Security (Instr. 3)		2. Transaction Date (Month/Day/Yea	er) Ex	2A. Deemed Execution Date, if any (Month/Day/Year)		3. Transaction Code (Instr. 8)					5. Amour Securitie Beneficia Owned Followin		s illy	6. Own Form: (D) or Indired	Direct 	7. Natu ndirect Benefic Owners Instr. 4	t cial ship				
						Code	v	Amo	ount	(A) or (D)	Price		Reported Transacti (Instr. 3 a	on(s)							
Common	Shares			06/03/2021				S ⁽¹⁾		9,8	B24 ⁽²⁾	D	\$31.	92 ⁽³⁾	2,373	,848]		See Footn	ote ⁽⁴⁾	
Common	Shares			06/04/2021	-			S ⁽¹⁾		3,5	544 ⁽⁵⁾	D	\$30	.8 ⁽⁶⁾	2,370	,304			See Footn	ote ⁽⁷⁾	
Common	Shares			06/04/2021	-			S ⁽¹⁾		2,0	D68 ⁽⁸⁾	D	\$31.	28 ⁽⁹⁾	2,368	3,236	1		See Footn	iote ⁽¹⁰⁾	
Common	Shares			06/07/2021	-			S ⁽¹⁾		1,0)58(11)	D	\$30.7	74 ⁽¹²⁾	2,367	,178			See Footn	iote ⁽¹³⁾	
Common	Common Shares		06/07/2021	L		S ⁽¹⁾		74	49 ⁽¹⁴⁾	D	\$32.2	25 ⁽¹⁵⁾	2,366,429		1 1		See Footn	iote ⁽¹⁶⁾			
Common	ommon Shares 06/07/		06/07/2021	Į .		S ⁽¹⁾	8,379(17)		D	\$32.96(18)		2,358,050				See Footnote ⁽¹⁹⁾					
			Tal	ole II - Derivati (e.g., pu											y Owne	d					
Derivative Conversion Date Security Or Exercise (Month/Day/Year) i		3A. Deemed Execution Date, if any (Month/Day/Year)	n Date, Transactio Code (Inst		of		Expiration (Month/Da				7. Title and Amount of Securities Underlying Derivative Security (In 3 and 4)		8. Price of Derivative Security (Instr. 5)	9. Numb derivati Securiti Benefic Owned Followin Reporte Transac (Instr. 4	ve ies ially ng ed ction(s)	10. Ownersh Form: Direct (D or Indire (I) (Instr.	ip of Be) Ov ct (Ir	1. Nature f Indirect eneficial wnership nstr. 4)			
					Code	v	(A)		ate xercisa		Expiratio Date	n Title	Num of								

Explanation of Responses:

- $1.\ Transaction\ effected\ pursuant\ to\ a\ plan\ established\ pursuant\ to\ Rule\ 10b5-1\ on\ 3/31/2021.$
- 2. The shares were sold as follows: 9,497 by MPM BioVentures 2014, L.P. ("BV 2014") and 327 by MPM Asset Management Investors BV2014 LLC ("AM BV2014").
- $3. \ The price reported in Column \ 4 is a weighted average price. These shares were sold in multiple transactions at prices ranging from $31.35 to $32.265 inclusive. The Reporting Person undertakes to the price reported in Column \ 4 is a weighted average price. These shares were sold in multiple transactions at prices ranging from $31.35 to $32.265 inclusive. The Reporting Person undertakes to the price reported in Column \ 4 is a weighted average price. These shares were sold in multiple transactions at prices ranging from $31.35 to $32.265 inclusive. The Reporting Person undertakes to the price reported in Column \ 4 is a weighted average price. These shares were sold in multiple transactions at prices ranging from $31.35 to $32.265 inclusive. The Reporting Person undertakes to the price reported in Column \ 4 is a weighted average price. The price reported in Column \ 5 is a weighted average price at the price reported in Column \ 5 is a weighted average price. The price reported in Column \ 5 is a weighted average price at the price reported in Column \ 5 is a weighted average price at the price reported in Column \ 5 is a weighted average price at the price reported in Column \ 5 is a weighted average price at the price reported in Column \ 5 is a weighted average price at the price reported in Column \ 5 is a weighted average price at the price reported in Column \ 5 is a weighted average price at the price reported in Column \ 5 is a weighted average price at the price reported in Column \ 5 is a weighted average price at the price reported in Column \ 5 is a weighted average price at the price reported in Column \ 5 is a weighted average price at the price reported in Column \ 5 is a weighted average price at the price reported in Column \ 5 is a weighted average price at the price reported in Column \ 5 is a weighted average price at the price reported in Column \ 5 is a weighted average price at the price reported in Column \ 5 is a weighted average price at the price reported in Column \ 5 is a w$ 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 range set forth in this footnote.
- 4. The shares are held as follows: 2,163,535 by BV 2014, 135,843 by MPM BioVentures 2014(B), L.P. ("BV 2014(B)") and 74,470 by AM BV2014. MPM BioVentures 2014 GP LLC and MPM BioVentures 2014 LLC ("BV LLC") are the direct and indirect general partners of BV 2014 and BV 2014(B). BV LLC is the manager of AM BV2014. Todd Foley is a managing director of BV LLC. The Reporting Person disclaims beneficial ownership of the securities except to the extent of his pecuniary interest therein.
- 5. The shares were sold as follows: 3,426 by BV 2014 and 118 by AM BV2014.
- 6. The price reported in Column 4 is a weighted average price. These shares were sold in multiple transactions at prices ranging from \$30.10 to \$31.09 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 range set forth in this footnote.
- 7. The shares are held as follows: 2,160,109 by BV 2014, 135,843 by BV 2014(B) and 74,352 by AM BV2014. The Reporting Person disclaims beneficial ownership of the securities except to the extent of his pecuniary interest therein.
- 8. The shares were sold as follows: 1,999 by BV 2014 and 69 by AM BV2014.
- 9. The price reported in Column 4 is a weighted average price. These shares were sold in multiple transactions at prices ranging from \$31.10 to \$31.54 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 range set forth in this footnote
- 10. The shares are held as follows: 2,158,110 by BV 2014, 135,843 by BV 2014(B) and 74,283 by AM BV2014. The Reporting Person disclaims beneficial ownership of the securities except to the extent of his pecuniary interest therein.
- 11. The shares were sold as follows: 1,023 by BV 2014 and 35 by AM BV2014.
- 12. The price reported in Column 4 is a weighted average price. These shares were sold in multiple transactions at prices ranging from \$30.41 to \$31.25 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 range set forth in this footnote.

- 13. The shares are held as follows: 2,157,087 by BV 2014, 135,843 by BV 2014(B) and 74,248 by AM BV2014. The Reporting Person disclaims beneficial ownership of the securities except to the extent of his pecuniary interest therein.
- 14. The shares were sold as follows: 724 by BV 2014 and 25 by AM BV2014.
- 15. 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 \$32.49 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 range set forth in this footnote.
- 16. The shares are held as follows: 2,156,363 by BV 2014, 135,843 by BV 2014(B) and 74,223 by AM BV2014. The Reporting Person disclaims beneficial ownership of the securities except to the extent of his pecuniary interest therein.
- 17. The shares were sold as follows: 8,100 by BV 2014 and 279 by AM BV2014.
- 18. The price reported in Column 4 is a weighted average price. These shares were sold in multiple transactions at prices ranging from \$32.50 to \$33.15 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 range set forth in this footnote.
- 19. The shares are held as follows: 2,148,263 by BV 2014, 135,843 by BV 2014(B) and 73,944 by AM BV2014. The Reporting Person disclaims beneficial ownership of the securities except to the extent of his pecuniary interest therein.

Remarks:

<u>/s/ Todd Foley</u> <u>06/07/2021</u>

** 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.