

STATEMENT OF CHANGES IN BENEFICIAL OWNERSHIP

Filed pursuant to Section 16(a) of the Securities Exchange Act of 1934 or Section 30(h) of the Investment Company Act of 1940

Check this box if no longer subject to Section 16. Form 4 or Form 5 obligations may continue. See Instruction 1(b).

1. Name and Address of Reporting Person* GADICKE ANSBERT			2. Issuer Name and Ticker or Trading Symbol TCR2 THERAPEUTICS INC. [TCRR]			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)		
(Last)	(First)	(Middle)	3. Date of Earliest Transaction (Month/Day/Year) 05/22/2023			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		
C/O MPM CAPITAL 399 BOYLSTON STREET, SUITE 1100			4. If Amendment, Date of Original Filed (Month/Day/Year)					
(Street)			Rule 10b5-1(c) Transaction Indication					
BOSTON	MA	02116	<input 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.					
(City)	(State)	(Zip)						

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	05/22/2023		x ⁽¹⁾		178,269	A	\$0.74	374,171	I	See Footnote ⁽²⁾
Common Stock	05/22/2023		s ⁽¹⁾		70,170	D	\$1.88	304,001	I	See Footnote ⁽²⁾
Common Stock								3,854,963	I	See Footnote ⁽³⁾
Common Stock								3,370,982	I	See Footnote ⁽⁴⁾

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	Title	Amount or Number of Shares				
Common Stock Warrant (Right To Buy)	\$0.74	05/22/2023		x ⁽¹⁾			42,761	12/13/2016	12/12/2026	Common Stock	42,761	\$0.00	0	I	See Footnote ⁽²⁾
Common Stock Warrant (Right to Buy)	\$0.74	05/22/2023		x ⁽¹⁾			135,508	12/06/2017	12/05/2027	Common Stock	135,508	\$0.00	0	I	See Footnote ⁽²⁾

Explanation of Responses:

- On May 22, 2023, MPM Asset Management LLC ("AM LLC") exercised warrants to purchase 178,269 shares of the Issuer's common stock for \$0.74 a share. AM LLC paid the exercise price on a cashless basis, resulting in the Issuer's withholding of 70,170 of the warrant shares to satisfy the exercise price and issuing to AM LLC the remaining 108,099 shares.
- The shares are held by AM LLC. The reporting person is a member of AM LLC and disclaims beneficial ownership of the reported securities except to the extent of his pecuniary interest therein.
- The shares are held as follows: 3,056,272 by MPM BioVentures 2014, L.P. ("BV 2014"), 203,846 by MPM BioVentures 2014(B), L.P. ("BV 2014(B)"), 110,859 by MPM Asset Management Investors BV2014 LLC ("AM BV2014"), 421,070 by MPM SunStates Fund, L.P. ("MPM SunStates") and 62,916 by MPM Asset Management Investors SunStates Fund LLC ("AM SunStates"). 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) and BV LLC is the manager of AM BV2014. MPM SunStates Fund GP LLC and MPM SunStates GP Managing Member LLC ("SunStates GP") are the direct and indirect general partners of MPM SunStates and SunStates GP is the manager of AM SunStates. The reporting person is a managing director of BV LLC and a member of SunStates GP and disclaims beneficial ownership of the reported securities except to the extent of his pecuniary interest therein.
- The shares are held by UBS Oncology Impact Fund L.P. ("UBS Oncology"). BioImpact Capital LLC ("BioImpact") is the General Partner of Oncology Impact Fund (Cayman) Management L.P., the General Partner of UBS Oncology. The reporting person is the managing partner of BioImpact and disclaims beneficial ownership of the reported securities except to the extent of his pecuniary interest therein.

Remarks:

/s/ Ansbert Gadicke

05/24/2023

** 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.