

**UNITED STATES  
SECURITIES AND EXCHANGE COMMISSION  
Washington, D.C. 20549**

**SCHEDULE 13G  
(Rule 13d-102)**

INFORMATION TO BE INCLUDED IN STATEMENTS FILED PURSUANT  
TO RULES 13d-1(b), (c), AND (d) AND AMENDMENTS THERETO FILED  
PURSUANT TO RULE 13d-2(b)

(Amendment No. )<sup>1</sup>

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T2 Biosystems, Inc.  
(Name of Issuer)

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Common Stock, par value \$0.001 per share  
(Title of Class of Securities)

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89853L302  
(CUSIP Number)

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February 20, 2024  
(Date of Event Which Requires Filing of this Statement)

Check the appropriate box to designate the rule pursuant to which this Schedule is filed:

- Rule 13d-1(b)
- Rule 13d-1(c)
- Rule 13d-1(d)

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<sup>1</sup> The remainder of this cover page shall be filled out for a reporting person's initial filing on this form with respect to the subject class of securities, and for any subsequent amendment containing information which would alter disclosures provided in a prior cover page.

The information required on the remainder of this cover page shall not be deemed to be "filed" for the purpose of Section 18 of the Securities Exchange Act of 1934 ("Act") or otherwise subject to the liabilities of that section of the Act but shall be subject to all other provisions of the Act (however, *see the Notes*).

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1	NAME OF REPORTING PERSON  JACOB SAFIER	
2	CHECK THE APPROPRIATE BOX IF A MEMBER OF A GROUP (a) <input type="checkbox"/> (b) <input type="checkbox"/>	
3	SEC USE ONLY	
4	CITIZENSHIP OR PLACE OF ORGANIZATION  UNITED STATES	
NUMBER OF SHARES BENEFICIALLY OWNED BY EACH REPORTING PERSON WITH	5	SOLE VOTING POWER  350,000
	6	SHARED VOTING POWER  -0-
	7	SOLE DISPOSITIVE POWER  350,000
	8	SHARED DISPOSITIVE POWER  -0-
9	AGGREGATE AMOUNT BENEFICIALLY OWNED BY EACH REPORTING PERSON  350,000	
10	CHECK BOX IF THE AGGREGATE AMOUNT IN ROW (9) EXCLUDES CERTAIN SHARES <input type="checkbox"/>	
11	PERCENT OF CLASS REPRESENTED BY AMOUNT IN ROW (9)  7.1%	
12	TYPE OF REPORTING PERSON  IN	

1	NAME OF REPORTING PERSON NEW DIMENSIONS TRADING LTD.	
2	CHECK THE APPROPRIATE BOX IF A MEMBER OF A GROUP (a) <input type="checkbox"/> (b) <input type="checkbox"/>	
3	SEC USE ONLY	
4	CITIZENSHIP OR PLACE OF ORGANIZATION CAYMAN ISLANDS	
NUMBER OF SHARES BENEFICIALLY OWNED BY EACH REPORTING PERSON WITH	5	SOLE VOTING POWER 350,000
	6	SHARED VOTING POWER -0-
	7	SOLE DISPOSITIVE POWER 350,000
	8	SHARED DISPOSITIVE POWER -0-
9	AGGREGATE AMOUNT BENEFICIALLY OWNED BY EACH REPORTING PERSON 350,000	
10	CHECK BOX IF THE AGGREGATE AMOUNT IN ROW (9) EXCLUDES CERTAIN SHARES <input type="checkbox"/>	
11	PERCENT OF CLASS REPRESENTED BY AMOUNT IN ROW (9) 7.1%	
12	TYPE OF REPORTING PERSON OO	

**Item 1(a). Name of Issuer:**

T2 Biosystems, Inc. (the "Issuer").

**Item 1(b). Address of Issuer's Principal Executive Offices:**

101 Hartwell Ave.  
Lexington, MA 02421

**Item 2(a). Name of Person Filing:**

**Item 2(b). Address of Principal Business Office or, if None, Residence:**

**Item 2(c). Citizenship:**

New Dimensions Trading Ltd. ("New Dimensions")  
c/o The Wolfson Group  
One State Street Plaza, 29<sup>th</sup> Floor  
New York, NY 10004  
Citizenship: Cayman Islands

Jacob Safier  
c/o The Wolfson Group  
One State Street Plaza, 29<sup>th</sup> Floor  
New York, NY 10004  
Citizenship: United States

Each of the foregoing is referred to as a "Reporting Person" and collectively as the "Reporting Persons."

**Item 2(d). Title of Class of Securities:**

Common Stock, par value \$0.01 per share (the "Shares").

**Item 2(e). CUSIP Number:**

89853L302

**Item 3. If This Statement is Filed Pursuant to Rule 13d-1(b), or 13d-2(b) or (c), Check Whether the Person Filing is a:**

- /x/ Not applicable.
- (a)  // Broker or dealer registered under Section 15 of the Exchange Act.
- (b)  // Bank as defined in Section 3(a)(6) of the Exchange Act.
- (c)  // Insurance company as defined in Section 3(a)(19) of the Exchange Act.
- (d)  // Investment company registered under Section 8 of the Investment Company Act.
- (e)  // An investment adviser in accordance with Rule 13d-1(b)(1)(ii)(E).
- (f)  // An employee benefit plan or endowment fund in accordance with Rule 13d-1(b)(1)(ii)(F).
- (g)  // A parent holding company or control person in accordance with Rule 13d-1(b)(1)(ii)(G).
- (h)  // A savings association as defined in Section 3(b) of the Federal Deposit Insurance Act.
- (i)  // A church plan that is excluded from the definition of an investment company under Section 3(c)(14) of the Investment Company Act.
- (j)  // Non-U.S. institution in accordance with Rule 240.13d-1(b)(1)(ii)(J).
- (k)  // Group, in accordance with Rule 240.13d-1(b)(1)(ii)(K). If filing as a non-U.S. institution in accordance with Rule 240.13d-1(b)(1)(ii)(J), please specify the type of institution: \_\_\_\_\_

**Item 4. Ownership.****(a) Amount beneficially owned:**

As of the date hereof:

New Dimensions Trading Ltd. beneficially owned 350,000 Shares.

Jacob Safier, as the portfolio manager of the T2 Biosystems, Inc. investment by New Dimensions, may be deemed to beneficially own the Shares owned by New Dimensions and, therefore, may be deemed to beneficially own 350,000 Shares.

**(b) Percent of class:**

As of the date hereof, New Dimensions beneficially owned and Jacob Safier may be deemed to beneficially own 7.1% (based upon 4,932,459 Shares outstanding, which is the total number of Shares reported as outstanding in the Issuer's Proxy Statement on Schedule 14-A filed with the Securities and Exchange Commission on March 4, 2024).

**(c) Number of shares as to which such person has:**

(i) Sole power to vote or to direct the vote:

See Cover Pages Items 5-9.

(ii) Shared power to vote or to direct the vote:

0 Shares.

(iii) Sole power to dispose or to direct the disposition of:

See Cover Pages Items 5-9.

(iv) Shared power to dispose or to direct the disposition of:

0 Shares.

**Item 5. Ownership of Five Percent or Less of a Class.**

Not Applicable.

**Item 6. Ownership of More than Five Percent on Behalf of Another Person.**

Not Applicable.

**Item 7. Identification and Classification of the Subsidiary That Acquired the Security Being Reported on by the Parent Holding Company or Control Person.**

Not Applicable.

**Item 8. Identification and Classification of Members of the Group.**

Not Applicable.

**Item 9. Notice of Dissolution of Group.**

Not Applicable.

**Item 10. Certifications.**

By signing below each of the undersigned certifies that, to the best of its knowledge and belief, the securities referred to above were not acquired and are not held for the purpose of or with the effect of changing or influencing the control of the issuer of the securities and were not acquired and are not held in connection with or as a participant in any transaction having that purpose or effect.

SIGNATURE

After reasonable inquiry and to the best of his or her knowledge and belief, the undersigned certifies that the information set forth in this statement is true, complete and correct.

Dated: March 11, 2024

New Dimensions Trading Ltd.

By: /s/ Chana Edelstein

Name: Chana Edelstein

Title: Director

/s/ Jacob Safier

Jacob Safier

**Joint Filing Agreement**

The undersigned hereby agree that the Statement on Schedule 13G dated March 11, 2024 with respect to the Common Stock, par value \$0.001 per share, of T2 Biosystems, Inc., a Delaware corporation, and any amendments thereto executed by each and any of the undersigned shall be filed on behalf of each of the undersigned pursuant to and in accordance with the provisions of Rule 13d-1(k)(1) under the Securities Exchange Act of 1934, as amended.

Dated: March 11, 2024

New Dimensions Trading Ltd.

By: /s/ Chana Edelstein

Name: Chana Edelstein

Title: Director

/s/ Jacob Safier

Jacob Safier