FORM 3

UNITED STATES SECURITIES AND EXCHANGE COMMISSION

Washington, D.C. 20549

INITIAL STATEMENT OF BENEFICIAL OWNERSHIP OF SECURITIES OMB Number: 3235-0104 Estimated average burden hours per response: 0.5

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 Ahuja A	d Address of Re Aparna	2. Date of E Requiring S (Month/Day 01/05/202	statement /Year)	3. Issuer Name and Ticker or Trading Symbol T2 Biosystems, Inc. [TTOO]						
(Last) 101 HAR (Street) LEXING	(First) TWELL AVE TON MA (State)	(Middle) ENUE 02421 (Zip)	01/03/2021		4. Relationship of Reporting Person(s) to Issuer (Check all applicable) Director 10% Own X Officer (give title below) below) Chief Medical Officer) Owner (specify (6. Individual of John/Group Filling		
Table I - Non-Derivative Securities Beneficially Owned										
1. Title of Security (Instr. 4)						unt of Securities cially Owned (Instr.			4. Nature of Indirect Beneficial Ownership (Instr. 5)	
Table II - Derivative Securities Beneficially Owned (e.g., puts, calls, warrants, options, convertible securities)										
			2. Date Exercisable and Expiration Date (Month/Day/Year)		3. Title and Amount of Se Underlying Derivative Sec (Instr. 4)			4. Conversion	Form:	6. Nature of Indirect Beneficial Ownership (Instr.
			Date Exercisable	Expiration Date	Title		Amount or Number of Shares	Price of Derivative Security	Direct (D) or Indirect (I) (Instr. 5)	5)

Explanation of Responses:

Remarks:

Exhibit List: Exhibit 24 - Power of Attorney

No securities are beneficially owned.

/s/ Michael Gibbs, Attorney-in-fact

01/15/2021

OMB APPROVAL

** Signature of Reporting

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 5 (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.

T2 BIOSYSTEMS, INC.

POWER OF ATTORNEY

Know all by these presents, that the undersigned hereby constitutes and appoints the (i) General Counsel of T2 Biosystems, Inc. (the "Company"), who is currently Michael Gibbs, (ii) Chief Financial Officer of the Company, who is currently John Sprague, and (iii) Controller of the Company, who is currently Tammy Morrison-Spurr, and their respective successors, the undersigned's true and lawful attorneys-in-fact to:

- (1) execute for and on behalf of the undersigned, in the undersigned's capacity as a beneficial owner of the Company, Forms 3, 4, and 5 in accordance with Section 16(a) of the Securities Exchange Act of 1934 and the rules thereunder;
- (2) do and perform any and all acts for and on behalf of the undersigned which may be necessary or desirable to complete and execute any such Form 3, 4, or 5 and timely file such form with the United States Securities and Exchange Commission and any stock exchange or similar authority; and
- (3) take any other action of any type whatsoever in connection with the foregoing which, in the opinion of any such attorney-in-fact, may be of benefit to, in the best interest of, or legally required by, the undersigned, it being understood that the documents executed by any such attorney-in-fact on behalf of the undersigned pursuant to this Power of Attorney shall be in such form and shall contain such terms and conditions as such attorney-in-fact may approve in such attorney-in-fact's discretion.

The undersigned hereby grants to each such attorney-in-fact full power and authority to do and perform any and every act and thing whatsoever requisite, necessary, or proper to be done in the exercise of any of the rights and powers herein granted, as fully to all intents and purposes as the undersigned might or could do if personally present, with full power of substitution or revocation, hereby ratifying and confirming all that such attorneys-in-fact, or such attorneys-in-fact's substitute or substitutes, shall lawfully do or cause to be done by virtue of this power of attorney and the rights and powers herein granted. The undersigned acknowledges that neither of the foregoing attorneys-in-fact, in serving in such capacity at the request of the undersigned, is assuming, nor is the Company assuming, any of the undersigned's responsibilities to comply with Section 16 of the Securities Exchange Act of 1934.

This Power of Attorney shall remain in full force and effect until the undersigned is no longer required to file Forms 3, 4, and 5 with respect to the undersigned's holdings of and transactions in securities issued by the Company, unless earlier revoked by the undersigned in a signed writing delivered to each of the foregoing attorneys-in-fact.

IN WITNESS WHEREOF, the undersigned has caused this Power of Attorney to be executed as of this 13th day of January, 2021.

/s/ Aparna Ahuja

Name: Aparna Ahuja