FORM 4

## UNITED STATES SECURITIES AND EXCHANGE COMMISSION

Washington, D.C. 20549

STATEMENT OF CHANGES IN BENEFICIAL OWNERSHIP

| OMB APPROVAL             |           |  |  |  |  |  |  |  |  |  |
|--------------------------|-----------|--|--|--|--|--|--|--|--|--|
| OMB Number:              | 3235-0287 |  |  |  |  |  |  |  |  |  |
| Estimated average burden |           |  |  |  |  |  |  |  |  |  |
| hours per response:      | 0.5       |  |  |  |  |  |  |  |  |  |

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

| Name and Address of Reporting Person*     Dake Benjamin T      |   |  |           |                                 |                              | 2. Issuer Name and Ticker or Trading Symbol Aerovate Therapeutics, Inc. [ AVTE ] |              |   |  |  |                           |  |  |              | c all applic<br>Directo                            | cable)  | g Pers         | son(s) to Iss<br>10% Ov<br>Other (s                                      | ner                                   |
|--|---|--|-----------|---------------------------------|------------------------------|--|--------------|---|--|--|---------------------------|--|--|--------------|--|---|----------------|--|---------------------------------------|
| (Last)<br>C/O AEI<br>930 WIN                                   |   | Date of 8/16/20                            |           | est Trar                        | nsaction                     | ı (Mon   | th/Day/Year) |   | X  | below)  See Remarks  |                           |  | , poonly   |              |  |   |                |  |                                       |
| (Street) WALTHAM, MA 02451  (City) (State) (Zip)               |   |  |           |                                 |                              | If Amer  | ndmer        | nt, Date                                | of Orig                                    | inal Fi  | led (Month/Da             |  | Individual or Joint/Group Filing (Check Applicable Line)     X Form filed by One Reporting Person     Form filed by More than One Reporting Person |              |  |   |                |  |                                       |
|  |   | Tal  | ole I - I | Non-Deri                        | vativ                        | e Sec  | curit        | ies A                                   | cauir                                      | ed. D  | isposed o                 | f. or B  | enefici  | allv         | Owned  |   |                |  |                                       |
| 1. Title of Security (Instr. 3)  2. Transacti Date (Month/Day. |   |  |           | tion                            | 2A. E<br>Exec                | 2A. Deemed<br>Execution Date,<br>if any<br>(Month/Day/Year)                      |              | 3.<br>Transaction<br>Code (Instr.<br>8) |  | 4. Securities Acquired (A) or<br>Disposed Of (D) (Instr. 3, 4 an |                           | (A) or   | 5. Am<br>Secur<br>Benef<br>Owne  |              | int of<br>es<br>ially<br>Following                 | 6. Ownership<br>Form: Direct<br>(D) or Indirect<br>(I) (Instr. 4)   |                | 7. Nature<br>of Indirect<br>Beneficial<br>Ownership<br>(Instr. 4)        |                                       |
|  |   |  |           |                                 |                              |  |              |   | Code                                       | v  | Amount                    | (A) or<br>(D)  | Price  |              | Reported<br>Transaction(s)<br>(Instr. 3 and 4)     |   |                |  |                                       |
| Common Stock   |   |  |           | 08/16/2                         | 08/16/2022                   |  |              |   | <b>M</b> <sup>(1)</sup>                    |  | 21,000                    | A  | \$1.7  | \$1.74       |  | 1,000   |                | D  |                                       |
| Common Stock 08  |   |  |           |                                 | 2022                         |  |              |   | S <sup>(1)</sup>                           |  | 10,475                    | D  | \$22.43  | .4376(2)     |  | ),525   |                | D  |                                       |
| Common Stock 08/16/20  |   |  |           |                                 | 2022                         | 22   |              |   | S <sup>(1)</sup>                           |  | 7,074                     | D  | \$23.28  | .2859(3)     |  | ,451  |                | D  |                                       |
| Common Stock 08/16/20  |   |  |           |                                 | 2022                         | 22   |              |   | S <sup>(1)</sup>                           |  | 3,451                     | D  | \$24.10  | \$24.1013(4) |  | 0   |                | D  |                                       |
|  |   |  | Table     |                                 |                              |  |              |   |  |  | sposed of,<br>, convertil |  |  |              | wned   |   |                |  |                                       |
| 1. Title of<br>Derivative<br>Security<br>(Instr. 3)            | 2.<br>Conversion<br>or Exercise<br>Price of<br>Derivative<br>Security | 3. Transaction<br>Date<br>(Month/Day/Year) | if any    | emed<br>ion Date,<br>/Day/Year) | 4.<br>Transa<br>Code (<br>8) |  |              |   | 6. Date Exel<br>Expiration I<br>(Month/Day |  | ate                       | 7. Title and Amo<br>of Securities<br>Underlying<br>Derivative Secu<br>(Instr. 3 and 4) |  | S            | B. Price of<br>Derivative<br>Security<br>Instr. 5) | 9. Number<br>derivative<br>Securities<br>Beneficial<br>Owned<br>Following<br>Reported<br>Transactio<br>(Instr. 4) | e<br>s<br>illy | 10.<br>Ownership<br>Form:<br>Direct (D)<br>or Indirect<br>(I) (Instr. 4) | Beneficial<br>Ownership<br>(Instr. 4) |
|  |   |  |           |                                 | Code                         | v  | (A)          | (D)                                     | Date<br>Exercisable                        |  | Expiration<br>Date        | Title  | Amou<br>or<br>Numb<br>of<br>Share  | er           |  |   |                |  |                                       |
| Stock<br>Option<br>(Right to<br>Buy)                           | \$1.74  | 08/16/2022                                 |           |                                 | M <sup>(1)</sup>             |  |              | 3,189                                   | (  | (5)  | 09/03/2030                | Common<br>Stock  | a 3,18   | 9            | \$0  | 15,394  | 1              | D  |                                       |
| Stock<br>Option  | \$1.74  | 08/16/2022                                 |           |                                 | M <sup>(1)</sup>             |  |              | 17,811                                  |  | (6)  | 09/03/2030                | Commo  | 17.8   | 1            | \$0  | 54,514  | .              | D  |                                       |

## **Explanation of Responses:**

- 1. This transaction was effected pursuant to a Rule 10b5-1 trading plan adopted by the Reporting Person on April 14, 2022.
- 2. The price reported in Column 4 is a weighted average price. The shares were sold in multiple transactions at prices ranging from \$21.92 to \$22.915, inclusive. Full information regarding the number of shares sold at each separate price can be furnished to the SEC staff upon request.
- 3. The price reported in Column 4 is a weighted average price. The shares were sold in multiple transactions at prices ranging from \$22.94 to \$23.94, inclusive. Full information regarding the number of shares sold at each separate price can be furnished to the SEC staff upon request.
- 4. The price reported in Column 4 is a weighted average price. The shares were sold in multiple transactions at prices ranging from \$23.95 to \$24.57, inclusive. Full information regarding the number of shares sold at each separate price can be furnished to the SEC staff upon request.
- 5. A total of 48,293 shares subject to an employee stock option were granted on September 4, 2020, with 10% of the shares vested on January 1, 2020, an additional 22.5% of the shares vested on January 1, 2021, and the remainder vesting in 36 substantially equal monthly installments thereafter.
- 6. A total of 72,325 shares subject to an employee stock option were granted on September 4, 2020, with 25% of the shares vested on August 1, 2021, and the remainder vesting in 36 substantially equal monthly installments thereafter.

## Remarks:

(Right to

Buy)

Officer Title: President, Chief Operating Officer and Secretary

/s/ George A. Eldridge, 08/18/2022 Attorney-in-Fact

\*\* Signature of Reporting Person Date

Stock

Reminder: Report on a separate line for each class of securities beneficially owned directly or indirectly.

- $^{\star}$  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.