### 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

|  |            |                | 2. Issuer Name and Ticker or Trading Symbol Stoke Therapeutics, Inc. [ STOK ] |  |   |                  |                              |               |                          | Relationship of Reporting Person(s) to Issuer (Check all applicable)     Director 10% Owner |   |   |   |  |
|--|------------|----------------|---|--|---|------------------|------------------------------|---------------|--------------------------|---|---|---|---|--|
| (Last) (First) (Middle) C/O STOKE THERAPEUTICS, INC. 45 WIGGINS AVENUE |            |                |   |  | ate of Earliest Trans<br>28/2020        | saction          | (Mont                        | h/Day/Year)   | X                        | Officer (give title below)  EVP Research 8  | le Other (specify below)  h & Preclinical Dev   |   |   |  |
| (Street) BEDFORD (City)  | MA (State) | 01730<br>(Zip) |   | 4. If Amendment, Date of Original Filed (Month/Day/Year) |   |                  |                              |               |                          | 6. Indiv<br>Line)<br>X  | vidual or Joint/Group Filing (Check Applicable  Form filed by One Reporting Person  Form filed by More than One Reporting  Person |   |   |  |
|  |            | Table I - N    | lon-Deriva  | ative  | Securities Ac                           | quire            | d, D                         | isposed o     | f, or B                  | eneficially (   | Owned   |   |   |  |
| 1. Title of Security (Instr. 3)  2. Transacti Date (Month/Day.         |            |                | Execution Date,   |  | 3.<br>Transaction<br>Code (Instr.<br>8) |                  | 4. Securities<br>Disposed Of |               |                          | 5. Amount of<br>Securities<br>Beneficially<br>Owned Following                               | 6. Ownership<br>Form: Direct<br>(D) or Indirect<br>(I) (Instr. 4)   | 7. Nature of<br>Indirect<br>Beneficial<br>Ownership |   |  |
|  |            |                |   |  | Code                                    | v                | Amount                       | (A) or<br>(D) | Price                    | Reported<br>Transaction(s)<br>(Instr. 3 and 4)  |   | (Instr. 4)  |   |  |
| Common Stock   |            |                | 12/28/20  | 20   |   | M                |                              | 8,000         | A                        | \$0.6   | 21,500  | D   |   |  |
| Common Stock   |            | 12/28/20       | 20  |  | S                                       |                  | 149                          | D             | \$58.73                  | 21,351  | D   |   |   |  |
| Common Stock   |            |                | 03/02/20  | 21   |   | M                |                              | 5,195         | A                        | \$0.6   | 26,546  | D   |   |  |
| Common Stock   |            |                | 03/02/20  | 21   |   | S <sup>(1)</sup> |                              | 2,295         | D                        | \$62.4625 <sup>(2)</sup>  | 24,251  | D   |   |  |
| Common Stock 03/02/2   |            | 03/02/20       | 21  |  | S <sup>(1)</sup>                        |                  | 2,900                        | D             | \$63.5155 <sup>(3)</sup> | 21,351  | D   |   |   |  |
|  |            | Table I        | I - Derivat   | ive S  | Securities Acq                          | uired            | . Dis                        | posed of.     | or Be                    | neficially O  | wned  | ·   | · |  |

# (e.g., puts, calls, warrants, options, convertible securities)

| 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) | 3A. Deemed<br>Execution Date,<br>if any<br>(Month/Day/Year) | 4.<br>Transa<br>Code (<br>8) |   | Derivative |       | 6. Date Exercisable and<br>Expiration Date<br>(Month/Day/Year) |                    | 7. Title and Amount<br>of Securities<br>Underlying<br>Derivative Security<br>(Instr. 3 and 4) |  | 8. Price of<br>Derivative<br>Security<br>(Instr. 5) | 9. Number of<br>derivative<br>Securities<br>Beneficially<br>Owned<br>Following<br>Reported<br>Transaction(s) | 10.<br>Ownership<br>Form:<br>Direct (D)<br>or Indirect<br>(I) (Instr. 4) | 11. Nature<br>of Indirect<br>Beneficial<br>Ownership<br>(Instr. 4) |
|---|---|--|---|------------------------------|---|------------|-------|--|--------------------|---|--|---|--|--|--|
|   |   |  |   | Code                         | v | (A)        | (D)   | Date<br>Exercisable  | Expiration<br>Date | Title   | Amount<br>or<br>Number<br>of<br>Shares |   | (Instr. 4)   |  |  |
| Employee<br>Stock<br>Option<br>(right to<br>buy)    | \$0.6   | 12/28/2020                                 |   | M                            |   |            | 8,000 | (4)  | 04/02/2028         | Common<br>Stock   | 8,000                                  | \$0.00  | 88,069   | D  |  |
| Employee<br>Stock<br>Option<br>(right to<br>buy)    | \$60  | 03/02/2021                                 |   | A                            |   | 40,800     |       | (5)  | 03/01/2031         | Common<br>Stock   | 40,800                                 | \$0.00  | 40,800   | D  |  |
| Employee<br>Stock<br>Option<br>(right to<br>buy)    | \$0.6   | 03/02/2021                                 |   | М                            |   |            | 5,195 | (4)  | 04/02/2028         | Common<br>Stock   | 5,195                                  | \$0.00  | 82,874   | D  |  |

### **Explanation of Responses:**

- $1. \ The \ sales \ reported \ on \ this \ Form \ 4 \ were \ effected \ pursuant \ to \ a \ Rule \ 10b5-1 \ trading \ plan \ adopted \ by \ the \ reporting \ person.$
- 2. The reported price in Column 4 is a weighted average price. These shares were sold in multiple transactions at prices ranging from \$62.00 to \$62.93 per share, 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.
- 3. The reported price in Column 4 is a weighted average price. These shares were sold in multiple transactions at prices ranging from \$63.13 to \$63.99 per share, 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.
- 4. The option vested as to 1/4th of the total shares on January 16, 2018, and then 1/48th of the total shares vest monthly thereafter, subject to the reporting person's continued service to the issuer through each vesting date.
- 5. The option vests as to 1/48th of the total shares on April 2, 2021 and then 1/48th of the total shares vest monthly thereafter, subject to the reporting person's continued service to the issuer through each vesting

## Remarks:

/s/ Stephen Tulipano, Attorneyin-Fact

03/04/2021

\*\* 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.