

| OMB APPROVAL                                 |           |
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**STATEMENT OF CHANGES IN BENEFICIAL OWNERSHIP**

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

|   |   |  |
|---|---|--|
| 1. Name and Address of Reporting Person*<br><u>JOHNSON DAVID LEE</u><br><br>(Last) (First) (Middle)<br><u>C/O GLOBAL BLOOD THERAPEUTICS, INC.</u><br><u>181 OYSTER POINT BLVD.</u><br><br>(Street)<br><u>SOUTH SAN FRANCISCO CA 94080</u><br><br>(City) (State) (Zip) | 2. Issuer Name and Ticker or Trading Symbol<br><u>Global Blood Therapeutics, Inc. [ GBT ]</u> | 5. Relationship of Reporting Person(s) to Issuer (Check all applicable)<br><br>Director 10% Owner<br><input checked="" type="checkbox"/> Officer (give title below) Other (specify below)<br><u>Chief Commercial Officer</u> |
|   | 3. Date of Earliest Transaction (Month/Day/Year)<br><u>09/01/2021</u>                         |  |
| 4. If Amendment, Date of Original Filed (Month/Day/Year)  |   |  |

**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                    | 08/31/2021                           |  | A                              | V | 480 <sup>(1)</sup>  | A          | \$24.39        | 35,177  | D  |   |
| Common Stock                    | 09/01/2021                           |  | M                              |   | 2,762   | A          | <sup>(2)</sup> | 37,939  | D  |   |
| Common Stock                    | 09/01/2021                           |  | F                              |   | 1,072 <sup>(3)</sup>  | D          | \$29.85        | 36,867  | D  |   |

**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 |
| Restricted Stock Units                     | <sup>(2)</sup>   | 09/01/2021                           |  | M                              |   |  | 2,762 | <sup>(4)</sup>   | <sup>(4)</sup>  | Common Stock  | 2,762                                      | \$0.00   | 19,340  | D  |       |

**Explanation of Responses:**

- Shares acquired pursuant to the Issuer's Amended and Restated 2015 Employee Stock Purchase Plan in transactions that were exempt under both Rule 16b-3(d) and Rule 16b-3(c).
- Each Restricted Stock Unit ("RSU") represents the right to receive one share of the Issuer's Common Stock.
- Represents number of shares of Issuer's Common Stock withheld to satisfy the Reporting Person's tax obligations in connection with the vesting of 2,762 shares of Common Stock underlying the Reporting Person's RSUs.
- The shares of Common Stock underlying the RSUs vest in 8 equal semi-annual installments over 4 years from March 1, 2021, so long as the Reporting Person continues as an employee or other service provider of the Issuer through each vesting date. The RSUs are subject to accelerated vesting upon termination without cause or resignation for good reason after a change of control of the Issuer.

**Remarks:**

/s/ Miguel Carrillo, as Attorney-in-Fact

09/03/2021

\*\* 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.