Calhoun Lesley Ann Form 5 February 13, 2018

OMB APPROVAL FORM 5 **OMB** UNITED STATES SECURITIES AND EXCHANGE COMMISSION 3235-0362 Number: Washington, D.C. 20549 Check this box if January 31, Expires: no longer subject 2005 to Section 16. Estimated average ANNUAL STATEMENT OF CHANGES IN BENEFICIAL Form 4 or Form burden hours per 5 obligations OWNERSHIP OF SECURITIES response... 1.0 may continue. See Instruction Filed pursuant to Section 16(a) of the Securities Exchange Act of 1934, 1(b). Form 3 Holdings Section 17(a) of the Public Utility Holding Company Act of 1935 or Section Reported 30(h) of the Investment Company Act of 1940 Form 4 Transactions Reported 1. Name and Address of Reporting Person * 2. Issuer Name and Ticker or Trading 5. Relationship of Reporting Person(s) to Calhoun Lesley Ann Issuer Symbol Global Blood Therapeutics, Inc. (Check all applicable) [GBT] (Middle) 3. Statement for Issuer's Fiscal Year Ended (Last) (First) Director 10% Owner X_ Officer (give title Other (specify (Month/Day/Year) below) below) 12/31/2017 See Remarks C/O GLOBAL BLOOD THERAPEUTICS, INC., 171 OYSTER POINT BLVD., SUITE 300 (Street) 4. If Amendment, Date Original 6. Individual or Joint/Group Reporting Filed(Month/Day/Year)

SOUTH SAN FRANCISCO, CAÂ 94080

X Form Filed by One Reporting Person ___ Form Filed by More than One Reporting Person

(check applicable line)

| (City) | (State) | (Zip) Tab | le I - Non-Der | ivative Se | curiti | es Acquir | ed, Disposed of | , or Beneficial | ly 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. Securi (A) or D (Instr. 3, | ispose 4 and (A) or | d of (D) | 5. Amount of Securities Beneficially Owned at end of Issuer's Fiscal Year (Instr. 3 and 4) | 6. Ownership Form: Direct (D) or Indirect (I) (Instr. 4) | 7. Nature of Indirect Beneficial Ownership (Instr. 4) |
| Common Stock | 08/02/2017 | Â | S4 | 1,552 | D | \$ 27.23 | 0 (1) | D | Â |
| Common Stock | 09/01/2017 | Â | M4 | 300 | A | \$ (2) | 300 | D | Â |
| Common Stock | 09/01/2017 | Â | S4 | 113 | D | \$ 30.3 | 187 | D | Â |

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

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 control number.

SEC 2270 (9-02)

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. Numb Derivativ Securitie Acquired or Dispo (D) (Instr. 3, and 5) | ve es d (A) esed of | 6. Date Exercisable and Expiration Date (Month/Day/Year) | | 7. Title and Amount Underlying Securitie (Instr. 3 and 4) | |
|---|---|---|---|---|--|------------------------------|--|--------------------|---|---------------------------------------|
| | | | | | (A) | (D) | Date Exercisable | Expiration Date | Title | Amour or Number of Shares |
| Stock Option (Right to Buy) | \$ 29.75 | 03/01/2017 | Â | A4 | 3,600 | Â | (3) | 02/28/2026 | Common Stock | 3,600 |
| Restricted Stock Units | Â | 03/01/2017 | Â | A4 | 2,400 | Â | (4) | (2) | Common Stock | 2,40 |
| Restricted Stock Units | Â | 09/01/2017 | Â | M4 | Â | 300 | (4) | (2) | Common Stock | 300 |

Reporting Owners

| Reporting Owner Name / Address | Relationships | | | | | |
|--|---------------|-----------|-------------|-------|--|--|
| r | Director | 10% Owner | Officer | Other | | |
| Calhoun Lesley Ann C/O GLOBAL BLOOD THERAPEUTICS, INC. 171 OYSTER POINT BLVD., SUITE 300 SOUTH SAN FRANCISCO, CA 94080 | Â | Â | See Remarks | Â | | |

Signatures

/s/ Lesley Ann
Calhoun

**Signature of Reporting Person

Date

Explanation of Responses:

- * 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).

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- (1) Includes 1,552 shares acquired under the Issuer's Employee Stock Purchase Plan on July 31, 2017 in a transaction exempt under Rule 16b-3.
- (2) Each restricted stock unit represents a contingent right to receive one share of GBT common stock.
 - The Stock Option becomes exercisable in sixteen equal quarterly installments after March 1, 2017 until fully vested on March 1, 2021,
- (3) subject to the Reporting Person's continuous service with the Issuer. The Stock Option is subject to accelerated vesting upon termination without cause or resignation for good reason after a change of control of the Issuer.
 - The Restricted Stock Units vest in eight semiannual installments after March 1, 2017 until fully vested on March 1, 2021, subject to the
- (4) Reporting Person's continuous service with the Issuer. The Restricted Stock Units are subject to accelerated vesting upon termination without cause or resignation for good reason after a change of control of the Issuer.

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Remarks:

Vice President, Finance and Principal Accounting Officer

Note: File three copies of this Form, one of which must be manually signed. If space provided is insufficient, *see* Instruction 6 for procedure. Potential persons who are to respond to the collection of information contained in this form are not required to respond unless the form displays a currently valid OMB number.