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

| 1. Name and Address of Reporting Person*  Dahms Bradford D.  (Last) (First) (Middle)  C/O SELECTA BIOSCIENCES, INC. |  |            |                                    | 3                | Issuer Name and Ticker or Trading Symbol SELECTA BIOSCIENCES INC [ SELB ]      Date of Earliest Transaction (Month/Day/Year) 01/04/2021 |                 |   |                     |        |                         |  |   | all application of the contract of the contrac | able)                         | 10% Ow<br>Other (s<br>below)   | ner                                   |            |  |
|---|--|------------|------------------------------------|------------------|---|-----------------|---|---------------------|--------|-------------------------|--|---|--|-------------------------------|--|---------------------------------------|------------|--|
| 65 GROVE STREET  (Street) WATERTOWN MA 02472  (City) (State) (Zip)  |  |            |                                    | 4                | 4. If Amendment, Date of Original Filed (Month/Day/Year)  |                 |   |                     |        |                         | 3. Indiv<br>_ine)<br>X                           | <i>'</i>  |  |                               |  |                                       |            |  |
| Table I - Non-Derivative Securities Acquired, Disposed of, or Beneficially Owned                                    |  |            |                                    |                  |   |                 |   |                     |        |                         |  |   |  |                               |  |                                       |            |  |
| Date  |  |            | 2. Transacti<br>Date<br>(Month/Day | Execution Date,  |   | Code (Instr. 5) |   |                     |        |                         | 5. Amoun<br>Securities<br>Beneficial<br>Owned Fo | rities<br>ficially<br>ed Following                  |  | Direct Indirect I             | 7. Nature of Indirect Beneficial Ownership (Instr. 4)                    |                                       |            |  |
|   |  |            |                                    |                  |   |                 | Code  | v                   | Amount | (A) (D)                 | Pric   | e   | Transaction  | ansaction(s)<br>str. 3 and 4) |  |                                       | IIISti. 4) |  |
| Common Stock 01/04.   |  |            |                                    | 01/04/2          | 4/2021  |                 | A <sup>(1)</sup>  |                     | 38,00  | 00 A                    |  | \$ <mark>0</mark>                                   | 38,000   |                               |  | D                                     |            |  |
|   | Table II - Derivative Securities Acquired, Disposed of, or Beneficially Owned (e.g., puts, calls, warrants, options, convertible securities) |            |                                    |                  |   |                 |   |                     |        |                         |  |   |  |                               |  |                                       |            |  |
| 1. Title of<br>Derivative<br>Security<br>(Instr. 3)   | Derivative Conversion Date Execution Date, Tra<br>Security or Exercise (Month/Day/Year) if any Co  |            |                                    | e, Trans<br>Code | 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)  (Month/Day/Year)  7. Title and of Securitie Underlying Derivative (Instr. 3 and |                     |        | ties<br>ig<br>e Securit |  | 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) | Beneficial<br>Ownership<br>(Instr. 4) |            |  |
|   |  |            |                                    | Code             | v   | (A)             |   | Date<br>Exercisable |        | xpiration<br>ate        | Title  | Amount<br>or<br>Number<br>of Shares                 |  |                               | (Instr. 4)   |                                       |            |  |
| Employee<br>Stock<br>Option<br>(right to<br>buy)  | \$2.99   | 01/04/2021 |                                    | A                |   | 230,000         |   | (2)                 | 0      | 1/03/2031               | Common<br>Stock                                  | 230,0   | 000  | \$0                           | 230,00   | 00                                    | D          |  |

## **Explanation of Responses:**

- 1. Each Restricted Stock Unit represents a contingent right to receive one share of common stock, which will vest as to 25% on January 4, 2022. The remainder of the underlying shares will vest in three equal annual installments thereafter so that the underlying shares will be fully vested on January 4, 2025.
- 2. This option vests as to 25% on January 4, 2022. The remainder of the underlying shares will vest in 36 equal monthly installments thereafter.

## Remarks:

/s/ Matthew Bartholomae,

01/06/2021 Attorney-in-Fact for Bradford

D. Dahms

\*\* 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.