FORM 4

## **UNITED STATES SECURITIES AND EXCHANGE COMMISSION**

Washington, D.C. 20549

OMB APPROVAL

| OMB Number:             | 3235-0287 |
|-------------------------|-----------|
| Estimated average burde | en        |
| 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).

Check this box to indicate that a transaction was made pursuant to a contract, instruction or written plan for the purchase or sale of equity securities of the issuer that is intended to satisfy the affirmative defense conditions of Rule

### STATEMENT OF CHANGES IN BENEFICIAL OWNERSHIP

Filed pursuant to Section 16(a) of the Securities Exchange Act of 1934 or Section 30(h) of the Investment Company Act of 1940

| 10b5-1(c). See Ins  | struction 10. |          |   |  |
|---|---------------|----------|---|--|
| Name and Address of Reporting Person*     Schwab Andrew J.      |               |          | 2. Issuer Name and Ticker or Trading Symbol  Skye Bioscience, Inc. [ SKYE ]  3. Date of Earliest Transaction (Month/Day/Year) | 5. Relationship of Reporting Person(s) to Issuer (Check all applicable)  X Director 10% Owner  |
| (Last)  | (First)       | (Middle) | 08/25/2023  | Officer (give title Other (specify below) below)   |
| C/O 5AM VENTURE MANAGEMENT, LLC<br>501 SECOND STREET, SUITE 350 |               |          | If Amendment, Date of Original Filed (Month/Day/Year)   | Individual or Joint/Group Filing (Check Applicable Line)     X Form filed by One Reporting Person     Form filed by More than One Reporting Person |
| (Street) SAN FRANCISCO  | CA            | 94107    |   | Tommined by wore than one reporting reason   |
| (City)  | (State)       | (Zip)    |   |  |

### Table I - Non-Derivative Securities Acquired, Disposed of, or Beneficially Owned

| 1. Titl | le of Security (Instr. 3) | 2. Transaction<br>Date<br>(Month/Day/Year) | 2A. Deemed<br>Execution Date,<br>if any<br>(Month/Day/Year) | Code (Instr. |   | 4. Securities Acquired (A) or<br>Disposed Of (D) (Instr. 3, 4 and 5) |               |       | 5. Amount of<br>Securities<br>Beneficially Owned<br>Following Reported | 6. Ownership<br>Form: Direct (D)<br>or Indirect (I)<br>(Instr. 4) | Beneficial<br>Ownership |
|---------|---------------------------|--|---|--------------|---|--|---------------|-------|--|---|-------------------------|
|         |                           |  |   | Code         | v | Amount   | (A) or<br>(D) | Price | Transaction(s) (Instr. 3 and 4)  |   | (Instr. 4)              |

# Table II - Derivative Securities Acquired, Disposed of, or Beneficially Owned (e.g., puts, calls, warrants, options, convertible securities)

| Der | itle of<br>ivative<br>urity (Instr. | 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) | Code (In | ansaction de (Instr. Securities Acquired (A) or Disposed of (D) (Instr. 3, 4 and 5) |           | 6. Date Exercisable and<br>Expiration Date<br>(Month/Day/Year) |                     | 7. Title and Amount of<br>Securities Underlying<br>Derivative Security (Instr.<br>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 | Form:<br>Direct (D)          | 11. Nature<br>of Indirect<br>Beneficial<br>Ownership<br>(Instr. 4) |  |
|-----|-------------------------------------|---|--|---|----------|---|-----------|--|---------------------|--|-----------------|---|--|------------------------------|--|--|
|     |                                     |   |  |   | Code     | v   | (A)       | (D)  | Date<br>Exercisable | Expiration<br>Date   | Title           | Amount or<br>Number of<br>Shares                    |  | Transaction(s)<br>(Instr. 4) |  |  |
|     | ck Option<br>ght to Buy)            | \$0.014   | 08/25/2023                                 |   | A        |   | 1,472,692 |  | (1)                 | 08/25/2033   | Common<br>Stock | 1,472,692   | \$0  | 1,472,692                    | D  |  |

### Explanation of Responses:

1. The option grant shall be exercisable for a price of \$0.014 per option share for ten years from August 25, 2023 and the options will vest in equal monthly installments over the one year period beginning August 24, 2023.

#### Remarks:

/s/ Kaitlyn Arsenault, as Attorneyin-Fact 08/29/2023

\*\* Signature of Reporting Person Date

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.