FORM 4

UNITED STATES SECUF

Washington, D.C. 20549

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| OMB APPROV | /AL |
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| OMB Number: | 3235-0287 |
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| 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 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 10b5-1(c). See Instruction 10. 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

| 1. Name and Address of Reporting Person* Rubin Jami | | | | | | 2. Issuer Name and Ticker or Trading Symbol Boundless Bio, Inc. [BOLD] | | | | | | 5. Relationship of Rep (Check all applicable) Director Officer (give | | Persor | 10% Ov Other (s | ner | |
|--|---|--|---|------------------------------|---|--|--|--|---|--|--|---|--|--------------------------------|---|--|--|
| (Last) (First) (Middle) C/O BOUNDLESS BIO, INC. 9880 CAMPUS POINT DRIVE, SUITE 120 | | | | | | 3. Date of Earliest Transaction (Month/Day/Year) 08/19/2024 | | | | | | below) | ief Finan | ncial (| below) Officer | | |
| (Street) SAN DIEGO CA 92121 | | | | | 4. If Amendment, Date of Original Filed (Month/Day/Year) | | | | | | | 6. Individual or Joint/Group Filing (Check Applicable Line) Form filed by One Reporting Person Form filed by More than One Reporting Person | | | | | |
| (City) | (5 | State) | (Zip) | | | | | | | | | | | | | | |
| | | 7 | Table I - Non-D | Deriva | tive S | Securiti | ies Acq | uired, Dis | posed of, | or Bene | ficially (| Owned | | | | | |
| 1. Title of Security (Instr. 3) 2. Trans Date (Month) | | | | | action 2A. Deemed Execution Date, if any (Month/Day/Year) | | 3. Transaction Code (Instr. 8) 4. Securities Acquired (A) o Disposed Of (D) (Instr. 3, 4 a | | | | Beneficially Owned Following | | 6. Ownership Form: Direct (D) or Indirect (I) (Instr. 4) | | 7. Nature of Indirect Beneficial Ownership | | |
| | | | | | | | | Code V | Amount | (A) or (D) | Price | Reported Transaction(s) (Instr. 3 and 4) | | | | (Instr. 4) | |
| | | | Table II - De | | | curitie | s Acau | ired Disno | need of c | r Renefi | cially O | wned | | | | | |
| 1. Title of Derivative Security (Instr. 3) | | | (e. | g., pu | ıts, ca | | | options, c | | | | WIICU | | | | | |
| Derivative Security | 2. Conversion or Exercise Price of Derivative Security | 3. Transaction Date (Month/Day/Year) | 3A. Deemed Execution Date, if any (Month/Day/Year) | g., pu 4. Transa Code (| action | | er of | | onvertible isable and ite | | Amount | 8. Price of Derivative Security (Instr. 5) | 9. Number derivative Securities Beneficial Owned Following | e s illy | 10. Ownership Form: Direct (D) or Indirect (I) (Instr. 4 | 11. Nature of Indirect Beneficial Ownership (Instr. 4) | |
| Derivative Security | Conversion or Exercise Price of Derivative | Date | 3A. Deemed Execution Date, if any | 4. Transa Code (| action | 5. Number Derivative Securities Acquired Disposed | er of | 6. Date Exerc | onvertible isable and ite | 7. Title and of Securiti Underlying Derivative | Amount | 8. Price of Derivative Security | derivative Securities Beneficial Owned | e s illy | Ownership Form: Direct (D) or Indirect | of Indirect Beneficial Ownership | |
| Derivative Security | Conversion or Exercise Price of Derivative | Date | 3A. Deemed Execution Date, if any | 4. Transa Code (| action (Instr. | 5. Number Derivative Securitie Acquired Disposed (Instr. 3, | er of ee es I (A) or d of (D) 4 and 5) | Options, C 6. Date Exerc Expiration Da (Month/Day/N | isable and ate ear) | 7. Title and of Securiti Underlying Derivative (Instr. 3 an | Amount or Number | 8. Price of Derivative Security | derivative Securities Beneficial Owned Following Reported Transactio | e s illy | Ownership Form: Direct (D) or Indirect | of Indirect Beneficial Ownership | |
| Derivative Security (Instr. 3) | Conversion or Exercise Price of Derivative Security | Date (Month/Day/Year) | 3A. Deemed Execution Date, if any | 4. Transa Code (8) | action (Instr. | 5. Number Derivative Securitie Acquired Disposed (Instr. 3, | er of ress I (A) or d of (D) 4 and 5) | Options, C 6. Date Exerc Expiration Da (Month/Day/N | onvertible isable and the (ear) Expiration Date | e securi 7. Title and of Securiti Underlying Derivative (Instr. 3 an Title | Amount esses Security d 4) Amount or Number of Shares | 8. Price of Derivative Security (Instr. 5) | derivative Securities Beneficial Owned Following Reported Transactic (Instr. 4) | e s illy | Ownership Form: Direct (D) or Indirect (I) (Instr. 4 | of Indirect Beneficial Ownership | |
| Derivative Security (Instr. 3) Stock Option Stock | Conversion or Exercise Price of Derivative Security | Date (Month/Day/Year) 08/19/2024 | 3A. Deemed Execution Date, if any | 4. Transa Code (8) | action (Instr. | 5. Number Derivative Securitie Acquired Disposed (Instr. 3, | rrants, er of er of er os s (A) or d of (D) 4 and 5) (D) | Options, C 6. Date Exerc Expiration Do (Month/Day/N) Date Exercisable | envertible isable and the ear) Expiration Date 07/25/2033 | e securi 7. Title and of Securiti Underlying Derivative (Instr. 3 and Title Common Stock Common | Amount or Number of Shares | 8. Price of Derivative Security (Instr. 5) | derivative Securities Beneficial Owned Following Reported Transactio (Instr. 4) | e s illy | Ownership Form: Direct (D) or Indirect (I) (Instr. 4 | of Indirect Beneficial Ownership | |
| Stock Option Stock | Conversion or Exercise Price of Derivative Security | 08/19/2024 08/19/2024 | 3A. Deemed Execution Date, if any | 4. Transa Code (8) Code D | action (Instr. | 5. Number Derivative Securitie Acquired Disposed (Instr. 3, | rrants, er of ee is | Options, C 6. Date Exerc Expiration Do (Month/Day/N Date Exercisable (1) | envertible isable and the ear) Expiration Date 07/25/2033 | e Securi 7. Title and of Securiti Underlying Derivative (Instr. 3 and Title Common Stock Common Stock Common Stock | Amount or Number of Shares 196,666 | 8. Price of Derivative Security (Instr. 5) | derivative Securities Beneficial Owned Following Reported Transactic (Instr. 4) | es s sully g on(s) | Ownership Form: Direct (D) or Indirect (I) (Instr. 4 | of Indirect Beneficial Ownership | |

Explanation of Responses:

\$3.56⁽⁵⁾

Stock Option

- 1. The stock option vested as to 25% of the underlying shares in connection with the consummation of the Issuer's initial public offering, and vests as to the remaining underlying shares in 36 substantially equal monthly installments beginning on August 31, 2024.
- 2. On August 19, 2024, the Issuer repriced the option. Except as further described in footnote 5, all other terms of the option remain unchanged.
- 3. The stock option vests in 48 substantially equal monthly installments beginning on March 15, 2024.
- 4. The stock option vests in 48 substantially equal monthly 'installments beginning on April 27, 2024.

08/19/2024

5. The exercise price of the option is \$3.56 per share, representing the fair market value per share of the common stock on the date of the repricing; provided that the exercise price will be increased to the original exercise price before repricing if, prior to the "premium end date" (as defined below), the repriced option is exercised or the reporting person's employment is terminated for any reason other than a "qualifying termination" (as defined below). The "premium end date" means the earliest of: (i) August 19, 2026, (ii) the date immediately prior to the closing of a change in control, or (iii) the date of the employee's qualifying termination. A "qualifying termination" means (a) the involuntary termination of the employee's employment by the Company due to a reduction in force (and other than for cause), or (b) the employee's termination due to death or disability.

> /s/ Jessica Oien, Attorney-in-Fact for Jami Rubin

Common Stock

32,468

03/26/2034

08/20/2024

** 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.

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