| SEC For   | m 4  |  |  |   |   |  |  |          |   |                 |   |                 |  |   |   |  |  |                                       |  |  |
|---|--|--|--|---|---|--|--|----------|---|-----------------|---|-----------------|--|---|---|--|--|---------------------------------------|--|--|
| FORM 4 UNITED   |  |  |  | D STATES SECURITIES AND EXCHANGE COMMISSION<br>Washington, D.C. 20549 |   |  |  |          |   |                 |   |                 |  |   |   |  | OMB APPROVAL   |                                       |  |  |
| Section 10. Form 4 or Form 5<br>obligations may continue. See             |  |  |  |   | AT OF CHANGES IN BENEFICIAL OWNERSHIP<br>d pursuant to Section 16(a) of the Securities Exchange Act of 1934<br>or Section 30(h) of the Investment Company Act of 1940 |  |  |          |   |                 |   |                 |  |   |   | OMB Number:         3235-0287           Estimated average burden         hours per response:         0.5 |  |                                       |  |  |
| 1. Name and Address of Reporting Person <sup>*</sup><br>Brennan Christine |  |  |  |   | 2. Issuer Name and Ticker or Trading Symbol<br>Boundless Bio, Inc. [BOLD]   |  |  |          |   |                 |   |                 |  | 5. Relationship of Reporting Person<br>(Check all applicable)<br>X Director   |   |  | on(s) to Issu<br>10% Ow  |                                       |  |  |
| (Last)  |  |  |  |   |   | 3. Date of Earliest Transaction (Month/Day/Year)     Officer       03/27/2024     below)   |  |          |   |                 |   |                 |  |   | give title Other (specify below)  |  |  |                                       |  |  |
| C/O BOUNDLESS BIO, INC.<br>9880 CAMPUS POINT DRIVE, SUITE 120<br>(Street) |  |  |  |   | 4. If Amendment, Date of Original Filed (Month/Day/Year)  |  |  |          |   |                 |   |                 |  | <ul> <li>B. Individual or Joint/Group Filing (Check Applicable ine)</li> <li>X Form filed by One Reporting Person</li> <li>Form filed by More than One Reporting</li> </ul> |   |  |  |                                       |  |  |
| SAN DIEGO CA 92121  |  |  |  |   | Rule 10b5-1(c) Transaction Indication   |  |  |          |   |                 |   |                 |  |   |   |  |  |                                       |  |  |
| (City) (State) (Zip)  |  |  |  |   |   | Check this box to indicate that a transaction was made pursuant to a contract, instruction or written plan that is intended to satisfy the affirmative defense conditions of Rule 10b5-1(c). See Instruction 10. |  |          |   |                 |   |                 |  |   |   |  |  |                                       |  |  |
|   | Table I - Non-Derivative Securities Acquired, Disposed of, or Beneficially Owned |  |  |   |   |  |  |          |   |                 |   |                 |  |   |   |  |  |                                       |  |  |
| 1. Title of Security (Instr. 3)<br>2. Trans<br>Date<br>(Month/I           |  |  |  |   | ar) i   | 2A. Deemed<br>Execution Date,<br>if any<br>(Month/Day/Yea  |  | Code (In | ion Disp                                  |                 |   |                 |  | es<br>ally<br>following   | Form:<br>(D) or   | m: Direct<br>or Indirect<br>Instr. 4)  | 7. Nature<br>of Indirect<br>Beneficial<br>Ownership                      |                                       |  |  |
|   |  |  |  |   |   |  |  |          | Code                                      | / Amo           | ount  | (A) or<br>(D)   | Price                                  | Reported<br>Transact<br>(Instr. 3 a   | on(s)   |  |  | (Instr. 4)                            |  |  |
|   |  | -  | Table II - I<br>(                                  |   |   |  |  |          | uired, Dis<br>s, options                  |                 |   |                 |  | Owned   |   |  |  |                                       |  |  |
| 1. Title of<br>Derivative<br>Security<br>(Instr. 3)                       | 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 D<br>if any<br>(Month/Day/ | ate, Ti   | ransaction<br>ode (Instr.   |  | 5. Number<br>of<br>Derivative<br>Securities<br>Acquired<br>(A) or<br>Disposed<br>of (D) (Instr.<br>3, 4 and 5) |          | 6. Date Exe<br>Expiration I<br>(Month/Day | Date            | le and<br>of Securities<br>Underlying<br>Derivative Sec<br>(Instr. 3 and 4) |                 | s<br>Security                          | 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<br>(Instr. 4) | ly   | 10.<br>Ownership<br>Form:<br>Direct (D)<br>or Indirect<br>(I) (Instr. 4) | Beneficial<br>Ownership<br>(Instr. 4) |  |  |
|   |  |  |  | Code  | ode   | v  | (A)  | (D)      | Date<br>Exercisable                       | Expirat<br>Date |   |                 | Amount<br>or<br>Number<br>of<br>Shares |   |   |  |  |                                       |  |  |
| Stock<br>Option   | \$16   | 03/27/2024                                 |  |   | A   |  | 26,438   |          | (1)                                       | 03/26/2         | 034   | Common<br>Stock | 26,438                                 | \$0   | 26,438  | ,  | D  |                                       |  |  |

Explanation of Responses:

1. The stock option vests in 36 substantially equal monthly installments beginning on April 27, 2024.

/s/ Jessica Oien, Attorney-in-Fact for Christine Brennan

03/29/2024

\*\* Signature of Reporting Person

Person Date

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

 $^{\ast}$  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.