## FORM 4

## UNITED STATES SECURITIES AND EXCHANGE COMMISSION

| Washington,   | D.C. | 20549 |
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| vvasilington, | D.C. | 20040 |

| STATEMENT | OF ( | CHANGES | IN BI | ENEFIC | AL C | WNER | SHIP |
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| OMB APPROVAL             |     |  |  |  |  |  |  |
|--------------------------|-----|--|--|--|--|--|--|
| 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).

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*  Warner Brent                                    |  |   |                        |   | 2. Issuer Name <b>and</b> Ticker or Trading Symbol Poseida Therapeutics, Inc. [ PSTX ] |   |                  |                     |  |   |   |         |   | ck all applica  | ,  |                         | on(s) to Issi<br>10% Ov<br>Other (s                              | ner                                   |            |
|---|--|---|------------------------|---|--|---|------------------|---------------------|--|---|---|---------|---|---|--|-------------------------|--|---------------------------------------|------------|
| (Last) (First) (Middle) C/O POSEIDA THERAPEUTICS, INC. 9390 TOWNE CENTRE DRIVE, SUITE 200 |  |   |                        |   | 03   | 3. Date of Earliest Transaction (Month/Day/Year) 03/01/2022 |                  |                     |  |   |   |         |   |   | below) Pre   | sident, C               |  | below)`<br>Therapy                    |            |
| (Street) SAN DII  |  |   | 92121<br>(Zip)         |   | 4.1  | 4. If Amendment, Date of Original Filed (Month/Day/Year)    |                  |                     |  |   |   |         | 6. Inc<br>Line)   | vidual or Joint/Group Filing (Check Applicable  Form filed by One Reporting Person  Form filed by More than One Reporting  Person |  |                         |  |                                       |            |
| Table I - Non-Derivative Securities Acquired, Disposed of, or Beneficially Owned          |  |   |                        |   |  |   |                  |                     |  |   |   |         |   |   |  |                         |  |                                       |            |
| 1. Title of Security (Instr. 3)   |  |   | Date                   | t. Transaction<br>Date<br>Month/Day/Year) |  | 2A. Deemed<br>Execution Date,<br>if any<br>(Month/Day/Year) |                  | Transaction Dispose |  | ities Acquired (A) or<br>d Of (D) (Instr. 3, 4 an |   |         | 5. Amount of<br>Securities<br>Beneficially<br>Owned Following<br>Reported |   | 6. Ownership<br>Form: Direct<br>(D) or Indirect<br>(I) (Instr. 4)                          |                         | 7. Nature of Indirect Beneficial Ownership (Instr. 4)            |                                       |            |
|   |  |   |                        |   |  |   |                  |                     | Code   | v   | Amount (A   |         | (A) or<br>(D)   | Price   | Transacti<br>(Instr. 3 a   | on(s)                   |  |                                       | (111301.4) |
| Common Stock  |  |   |                        | 03/02                                     | 1/2022   |   | A <sup>(1)</sup> |                     | 307,881 A  |   | \$0.00  | 307,881 |   |   | 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)                                       | 2.<br>Conversion<br>or Exercise<br>Price of<br>Derivative<br>Security  | version   Date   Kercise   (Month/Day/Year)   i | Execution Date, if any |   | 4.<br>Transaction<br>Code (Instr.<br>8)  |   | Derivative       |                     | 6. Date Exercisable and<br>Expiration Date<br>(Month/Day/Year) |   | 7. Title and Amount<br>of Securities<br>Underlying<br>Derivative Security<br>(Instr. 3 and 4) |         | ecurity   | 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 |                         | Ownership<br>Form:<br>Direct (D)<br>or Indirect<br>(I) (Instr. 4 | Beneficial<br>Ownership<br>(Instr. 4) |            |
|   |  |   |                        | Ce  | ode  | v   | (A)              |                     | Date<br>Exercisabl   |   | xpiration<br>ate  | Title   | 0   | mount<br>r<br>lumber<br>f Shares  |  | Transacti<br>(Instr. 4) | ui(s)  |                                       |            |
| Stock<br>Option<br>(Right to<br>Buy)  | \$3.42   | 03/01/2022                                      |                        |   | A  |   | 431,034          |                     | (2)  | 0.  | 2/29/2032   | Comi    |   | 31,034  | \$0.00   | 431,03                  | 34   | D                                     |            |

## Explanation of Responses:

- 1. Represents shares issuable upon the vesting of restricted stock units granted pursuant to the Issuer's Inducement Plan. The RSUs are scheduled to vest in four equal annual installments.
- 2. 12.5% of the shares subject to the stock option will vest and become exercisable on the six-month anniversary of the grant date listed in column 3 above, and the remaining shares will vest in 42 equal monthly installments thereafter.

## Remarks:

/s/ Harry J. Leonhardt, Attorney-in-Fact

03/01/2022

\*\* 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.