FORM 4

## UNITED STATES SECURITIES AND EXCHANGE COMMISSION

Washington, D.C. 20549

STATEMENT OF CHANGES IN BENEFICIAL OWNERSHIP

| OMB APF           | ROVAL     |
|-------------------|-----------|
| OMB Number:       | 3235-0287 |
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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(b) of the Investment Company Act of 1940

|   |  |            |              |                                 | 0, 000  | 1)00 11011 | ., 0   |   |        |               | pariy / t  | Ct 01 1340  |   |                            |  |                                       |  |                                       |      |
|---|--|------------|--------------|---------------------------------|---|------------|--------|---|--------|---------------|--|---|---|----------------------------|--|---------------------------------------|--|---------------------------------------|------|
| 1. Name and Address of Reporting Person*  Cann Leah Rush                                |  |            |              |                                 | 2. Issuer Name and Ticker or Trading Symbol MEI Pharma, Inc. [ MEIP ] |            |        |   |        |               |  |   | 5. Relationship of Reporting Person(s) to Issuer (Check all applicable) |                            |  |                                       |  |                                       |      |
| Cann Lean Rusn  |  |            |              |                                 |   |            |        |   |        | -             |  |   |   | X                          | Director   |                                       |  | 10% Ov                                | vner |
| (Last) (First) (Middle)   |  |            |              |                                 | 3. Date of Earliest Transaction (Month/Day/Year) 07/15/2013           |            |        |   |        |               |  | $\exists$   |   | Officer (give title below) |  |                                       | Other (s<br>below)   | specify                               |      |
| C/O ME  | I PHARMA   | , INC      |              |                                 |   |            |        |   |        |               |  |   |   |                            |  |                                       |  |                                       |      |
| 11975 EL CAMINO REAL, SUITE 101   |  |            |              |                                 | 4. If Amendment, Date of Original Filed (Month/Day/Year)              |            |        |   |        |               |  | 6. Individual or Joint/Group Filing (Check Applicable Line) |   |                            |  |                                       |  |                                       |      |
| (Street)  |  |            |              |                                 |   |            |        |   |        |               |  |   |   | X                          | Form fil   | ed by One                             | Reno   | rting Perso                           | ,    |
| SAN DII   | EGO C  | A          | 92130        |                                 |   |            |        |   |        |               |  |   |   | Λ                          |  | ,                                     | •  | One Repor                             |      |
| (City)  | (S   | tate)      | (Zip)        |                                 |   |            |        |   |        |               |  |   |   |                            |  |                                       |  |                                       |      |
|   |  | Та         | ble I - Non- | -Deriva                         | tive S  | ecuriti    | es A   | Acquii  | red, [ | Disp          | osed   | of, or Ber  | nefic   | ially                      | Owned  |                                       |  |                                       |      |
| Date  |  |            |              | 2. Transac<br>Date<br>(Month/Da | Execution Date,   |            | ite, T | Code (Instr. 5)   |        |               |  | 4 and Securities<br>Beneficia<br>Owned Fo                   |   | s Formula (D) (I) (I) (I)  |  | m: Direct<br>or Indirect<br>Instr. 4) | 7. Nature of Indirect Beneficial Ownership                               |                                       |      |
|   |  |            |              | c                               |   |            | Code   | v   | Amoun  | t (A) or (D)  | Pri  | се  | Reported<br>Transaction<br>(Instr. 3 a                                  | ion(s)                     |  |                                       | (Instr. 4)   |                                       |      |
|   | Table II - Derivative Securities Acquired, Disposed of, or Beneficially Owned (e.g., puts, calls, warrants, options, convertible securities) |            |              |                                 |   |            |        |   |        |               |  |   |   |                            |  |                                       |  |                                       |      |
| Derivative Conversion Date Security Or Exercise (Month/Day/Year) Execution Date, If any |  |            | Cod          | nsaction of Ex                  |   |            | Expira | 6. Date Exercisable and<br>Expiration Date<br>Month/Day/Year) |        |               | 7. Title and Amount of<br>Securities Underlying<br>Derivative Security<br>(Instr. 3 and 4) |   | ng Derivative   |                            | 9. Number of<br>derivative<br>Securities<br>Beneficially<br>Owned<br>Following<br>Reported<br>Transaction(s)<br>(Instr. 4) |                                       | 10.<br>Ownership<br>Form:<br>Direct (D)<br>or Indirect<br>(I) (Instr. 4) | Beneficial<br>Ownership<br>(Instr. 4) |      |
|   |  |            |              | Cod                             | de V  | (A)        | (D)    | Date<br>Exerci  | isable | Expir<br>Date | ration   | Title   | Amo<br>or<br>Nun<br>of<br>Sha   | .                          |  |                                       |  |                                       |      |
| Option to<br>purchase<br>shares of<br>common  | \$7.43   | 07/15/2013 |              | A                               |   | 6,730      |        | (1  | 1)     | 07/15         | 5/2018   | Common<br>Stock par<br>value                                | 6,7   | 730                        | <b>\$</b> 0  | 18,924                                | (2)  | D                                     |      |

## **Explanation of Responses:**

- 1. One-third of the options will vest on July 15, 2014; the remaining two-thirds of the options will vest in equal monthly installments over the following twenty-four months
- 2. The total number of derivative securities reported in column 9 includes previously awarded options, which were subject to the effect of a 1 for 6 reverse stock split, which was effective on December 18, 2012

/s/ Leah Rush Cann

07/17/2013

\*\* 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.

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