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## FORM 4

UNITED STATES SECURITIES AND EXCHANGE COMMISSION

Washington, D.C. 20549

| Check this box if no longer subject to Section 16. Form 4 or Form 5 |
|---|
| obligations may continue. See                                       |
| Instruction 1(b).   |

## 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

| OMB APPROVAL      |           |  |  |  |  |  |  |  |  |  |
|-------------------|-----------|--|--|--|--|--|--|--|--|--|
| OMB Number:       | 3235-0287 |  |  |  |  |  |  |  |  |  |
| Estimated avarage | hurdon    |  |  |  |  |  |  |  |  |  |

Es mated average burd hours per response: 0.5

| 1. Name and Address of Reporting Person*<br>ALDRICH RICHARD                   |         |       | 2. Issuer Name <b>and</b> Ticker or Trading Symbol Verastem, Inc. [VSTM] | 5. Relationship of Reporting Person(s) to Issuer<br>(Check all applicable) |  |                           |                          |  |  |
|---|---------|-------|--|--|--|---------------------------|--------------------------|--|--|
| ALDRICH R   | ICHARD  |       |  | Х  | Director                                       | Х                         | 10% Owner                |  |  |
| (Last) (First) (Middle)<br>C/O VERASTEM, INC.,<br>215 FIRST STREET, SUITE 440 |         |       | 3. Date of Earliest Transaction (Month/Day/Year)<br>07/24/2013           |  | Officer (give title<br>below)                  | Other (speci<br>below)    | Other (specify<br>below) |  |  |
|   |         |       | 4. If Amendment, Date of Original Filed (Month/Day/Year)                 | 6. Indiv<br>Line)  | vidual or Joint/Group Filing (Check Applicable |                           |                          |  |  |
| (Street)  |         |       |  | X  | Form filed by One F                            | Report                    | ing Person               |  |  |
| CAMBRIDGE   | MA      | 02142 |  |  | Form filed by More Person                      | / More than One Reporting |                          |  |  |
| (City)  | (State) | (Zip) |  |  |  |                           |                          |  |  |

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

| Table 1- Non-Derivative Securities Acquired, Disposed of, or Beneficially Owned |  |  |   |                |       |            |         |   |   |   |  |
|---|--|--|---|----------------|-------|------------|---------|---|---|---|--|
| 1. Title of Security (Instr. 3)   | 2. Transaction<br>Date<br>(Month/Day/Year) | 2A. Deemed<br>Execution Date,<br>if any<br>(Month/Day/Year)  | 3.<br>Transaction<br>Code (Instr.<br>8) |                |       |            |         | 5. Amount of<br>Securities<br>Beneficially<br>Owned Following | 6. Ownership<br>Form: Direct<br>(D) or Indirect<br>(I) (Instr. 4) | 7. Nature of<br>Indirect<br>Beneficial<br>Ownership         |  |
|   |  | Code     V     Amount     (A) or<br>(D)     Price     Reported<br>Transaction(s)<br>(Instr. 3 and 4) |   | Transaction(s) |       | (Instr. 4) |         |   |   |   |  |
| Common Stock  | 07/24/2013                                 |  | р <sup>(1)</sup>                        |                | 1,000 | A          | \$16.39 | 4,000   | Ι   | By Richard<br>H. Aldrich<br>2005<br>Revocable<br>Trust      |  |
| Common Stock  |  |  |   |                |       |            |         | 407,142   | D   |   |  |
| Common Stock  |  |  |   |                |       |            |         | 2,869,841   | I   | By<br>Longwood<br>Fund, L.P.                                |  |
| Common Stock  |  |  |   |                |       |            |         | 135,714   | I   | By Richard<br>H. Aldrich<br>Irrevocable<br>Trust of<br>2011 |  |

|   |  |  |   |                              | _ |                 |     | I I  |                    | _  |  |   |  |   |                                       |
|---|--|--|---|------------------------------|---|-----------------|-----|--|--------------------|--|--|---|--|---|---------------------------------------|
|   | 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  | 3. Transaction<br>Date<br>(Month/Day/Year) | 3A. Deemed<br>Execution Date,<br>if any<br>(Month/Day/Year) | 4.<br>Transa<br>Code (<br>8) |   | 5. Number<br>of |     | 6. Date Exercisable and<br>Expiration Date<br>(Month/Day/Year) |                    | nd 7. Title and<br>Amount of<br>Securities<br>Underlying<br>Derivative<br>Security (Instr. 3<br>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<br>Transaction(s)<br>(Instr. 4) | Ownership<br>Form:<br>Direct (D)<br>or Indirect<br>(I) (Instr. 4) | Beneficial<br>Ownership<br>(Instr. 4) |
|   |  |  |   | Code                         | v | (A)             | (D) | Date<br>Exercisable  | Expiration<br>Date | Title  | Amount<br>or<br>Number<br>of<br>Shares |   |  |   |                                       |

Explanation of Responses:

1. The purchase(s) reported in this Form 4 were effected pursuant to a Rule 10b5-1 trading plan adopted on May 30, 2013.

2. Longwood Fund GP, LLC is the sole General Partner of Longwood Fund, L.P. Christoph Westphal, M.D., Ph.D., Richard Aldrich and Michelle Dipp, M.D., Ph.D. (collectively, the "Managers") are managers of Longwood Fund GP, LLC, and, as such, may be deemed to have shared voting and dispositive power with respect to the issuer's securities held by Longwood Fund L.P. (the "Longwood Shares"). Each of the Managers disclaims beneficial ownership of the Longwood Shares, except to the extent of their respective pecuniary interest therein, and the inclusion of the Longwood Shares in this report shall not be deemed an admission of beneficial ownership of the Longwood Shares for purposes of Section 16 or for any other purpose.

> /s/John B. Green, attorney-infact

\*\* Signature of Reporting Person Date

07/24/2013

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.