

Verastem, Inc.  
Form 3  
January 26, 2012

**FORM 3 UNITED STATES SECURITIES AND EXCHANGE COMMISSION**  
**Washington, D.C. 20549**

OMB APPROVAL

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**INITIAL STATEMENT OF BENEFICIAL OWNERSHIP OF SECURITIES**

Filed pursuant to Section 16(a) of the Securities Exchange Act of 1934,  
Section 17(a) of the Public Utility Holding Company Act of 1935 or Section  
30(h) of the Investment Company Act of 1940

(Print or Type Responses)

|   |         |                                      |  |  |
|---|---------|--------------------------------------|--|--|
| 1. Name and Address of Reporting Person * |         | 2. Date of Event Requiring Statement | 3. Issuer Name and Ticker or Trading Symbol                            |  |
| Â Longwood Fund, L.P.                     |         | (Month/Day/Year)                     | Verastem, Inc. [VSTM]  |  |
| (Last)                                    | (First) | (Middle)                             | 4. Relationship of Reporting Person(s) to Issuer                       | 5. If Amendment, Date Original Filed(Month/Day/Year) |
| C/O VERASTEM, INC.,Â 215                  |         | 01/26/2012                           | (Check all applicable)   |  |
| FIRST STREET, SUITE 440                   |         |                                      | <input type="checkbox"/> Director                                      | <input checked="" type="checkbox"/> 10% Owner        |
| (Street)                                  |         |                                      | <input type="checkbox"/> Officer                                       | <input type="checkbox"/> Other                       |
| CAMBRIDGE,Â MAÂ 02142                     |         |                                      | (give title below)   | (specify below)                                      |
| (City)                                    | (State) | (Zip)                                | 6. Individual or Joint/Group Filing(Check Applicable Line)             |  |
|   |         |                                      | <input checked="" type="checkbox"/> Form filed by One Reporting Person |  |
|   |         |                                      | <input type="checkbox"/> Form filed by More than One Reporting Person  |  |

**Table I - Non-Derivative Securities Beneficially Owned**

|                                    |  |   |  |
|------------------------------------|--|---|--|
| 1. Title of Security<br>(Instr. 4) | 2. Amount of Securities Beneficially Owned<br>(Instr. 4) | 3. Ownership Form:<br>Direct (D)<br>or Indirect (I)<br>(Instr. 5) | 4. Nature of Indirect Beneficial Ownership<br>(Instr. 5) |
|------------------------------------|--|---|--|

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

SEC 1473 (7-02)

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**Table II - Derivative Securities Beneficially Owned (e.g., puts, calls, warrants, options, convertible securities)**

|   |   |  |  |  |  |
|---|---|--|--|--|--|
| 1. Title of Derivative Security<br>(Instr. 4) | 2. Date Exercisable and Expiration Date<br>(Month/Day/Year) | 3. Title and Amount of Securities Underlying Derivative Security<br>(Instr. 4) | 4. Conversion or Exercise Price of Derivative Security | 5. Ownership Form of Derivative Security:<br>Direct (D)<br>or Indirect (I) | 6. Nature of Indirect Beneficial Ownership<br>(Instr. 5) |
|   | Date Exercisable  | Expiration Date  | Title  | Amount or Number of Shares   |  |

(Instr. 5)

|                          |       |       |              |           |        |       |   |
|--------------------------|-------|-------|--------------|-----------|--------|-------|---|
| Series A Preferred Stock | Â (1) | Â (1) | Common Stock | 1,142,857 | \$ (1) | D (2) | Â |
| Series B Preferred Stock | Â (1) | Â (1) | Common Stock | 1,000,000 | \$ (1) | D (2) | Â |
| Series C Preferred Stock | Â (1) | Â (1) | Common Stock | 126,984   | \$ (1) | D (2) | Â |

## Reporting Owners

| Reporting Owner Name / Address  | Relationships |           |         |       |
|---|---------------|-----------|---------|-------|
|   | Director      | 10% Owner | Officer | Other |
| Longwood Fund, L.P.<br>C/O VERASTEM, INC.<br>215 FIRST STREET, SUITE 440<br>CAMBRIDGE, MA 02142 | Â             | Â X       | Â       | Â     |

## Signatures

/s/ Paul Brannelly,  
attorney-in-fact

01/26/2012

Signature of Reporting Person Date

## Explanation of Responses:

- \* If the form is filed by more than one reporting person, *see* Instruction 5(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).
- (1) Each share of preferred stock will automatically convert into approximately 0.29 shares of common stock upon the closing of the issuer's initial public offering. The shares have no expiration date.  
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").
- (2) Each of the Managers disclaim beneficial ownership of the Longwood Shares, except to the extent of their respective pecuniary interest therein, and the inclusion of these shares in this report shall not be deemed an admission of beneficial ownership of the shares for purposes of Section 16 or for any other purpose.

Note: File three copies of this Form, one of which must be manually signed. If space is insufficient, *See* Instruction 6 for procedure. Potential persons who are to respond to the collection of information contained in this form are not required to respond unless the form displays a currently valid OMB number.