

INITIAL STATEMENT OF BENEFICIAL OWNERSHIP OF SECURITIES

OMB APPROVAL	
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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* <u>MPM BIOVENTURES V, L.P.</u> (Last) (First) (Middle) C/O MPM ASSET MANAGEMENT 200 CLARENDON STREET, 54TH FLOOR (Street) BOSTON MA 02116 (City) (State) (Zip)	2. Date of Event Requiring Statement (Month/Day/Year) 01/26/2012	3. Issuer Name and Ticker or Trading Symbol <u>Verastem, Inc. [VSTM]</u>	
		4. Relationship of Reporting Person(s) to Issuer (Check all applicable) Director _____ 10% Owner _____ Officer (give title below) <input checked="" type="checkbox"/> Other (specify below) Former 10% stockholder	5. If Amendment, Date of Original Filed (Month/Day/Year) 6. Individual or Joint/Group Filing (Check Applicable Line) Form filed by One Reporting Person _____ <input checked="" type="checkbox"/> Form filed by More than One Reporting Person

Table I - Non-Derivative Securities Beneficially Owned

1. Title of Security (Instr. 4)	2. Amount of Securities Beneficially Owned (Instr. 4)	3. Ownership Form: Direct (D) or Indirect (I) (Instr. 5)	4. Nature of Indirect Beneficial Ownership (Instr. 5)
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Table II - Derivative Securities Beneficially Owned (e.g., puts, calls, warrants, options, convertible securities)

1. Title of Derivative Security (Instr. 4)	2. Date Exercisable and Expiration Date (Month/Day/Year)		3. Title and Amount of Securities Underlying Derivative Security (Instr. 4)		4. Conversion or Exercise Price of Derivative Security	5. Ownership Form: Direct (D) or Indirect (I) (Instr. 5)	6. Nature of Indirect Beneficial Ownership (Instr. 5)
	Date Exercisable	Expiration Date	Title	Amount or Number of Shares			
Series A Preferred Stock	(1)	(1)	Common Stock	1,142,857	(1)	D ⁽²⁾	
Series B Preferred Stock	(1)	(1)	Common Stock	714,286	(1)	D ⁽²⁾	
Series C Preferred Stock	(1)	(1)	Common Stock	76,190	(1)	D ⁽²⁾	

1. Name and Address of Reporting Person*
MPM BIOVENTURES V, L.P.
 (Last) (First) (Middle)
 C/O MPM ASSET MANAGEMENT
 200 CLARENDON STREET, 54TH FLOOR
 (Street)
 BOSTON MA 02116
 (City) (State) (Zip)

1. Name and Address of Reporting Person*
MPM BIOVENTURES V GP LLC
 (Last) (First) (Middle)
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 BOSTON MA 02116
 (City) (State) (Zip)

1. Name and Address of Reporting Person*
MPM BIOVENTURES V LLC
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1. Name and Address of Reporting Person*

EVNIN LUKE

(Last) (First) (Middle)

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(City) (State) (Zip)

1. Name and Address of Reporting Person*

Foley Todd

(Last) (First) (Middle)

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1. Name and Address of Reporting Person*

KAILIAN VAUGHN M

(Last) (First) (Middle)

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(Street)
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(City) (State) (Zip)

1. Name and Address of Reporting Person*

Scopa James Paul

(Last) (First) (Middle)

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1. Name and Address of Reporting Person*

St Peter Steven

(Last) (First) (Middle)

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(Street)
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(City) (State) (Zip)

1. Name and Address of Reporting Person*

Vander Vort John

(Last) (First) (Middle)

C/O MPM ASSET MANAGEMENT

200 CLARENDON STREET, 54TH FLOOR

(Street)

BOSTON MA 02116

(City)

(State)

(Zip)

Explanation of Responses:

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 had no expiration date.
2. MPM BioVentures V GP LLC ("MPM V GP") is the general partner of MPM BioVentures V, L.P. ("MPM V LP") and MPM BioVentures V LLC ("MPM V LLC") is the managing member of MPM V GP. Luke Evin, Todd Foley, Ansbert Gadicke, Vaughn Kailian, James Scopa, Steven St. Peter and John Vander Vort are the members of MPM V LLC and share the power to vote, hold and dispose of the shares held by MPM V LP. Each reporting person disclaims beneficial ownership of the securities reported herein except to the extent of his or its respective pecuniary interest therein.

Remarks:

<u>/s/ Ansbert Gadicke, Member of MPM BioVentures V LLC, the Managing Member of MPM BioVentures V GP LLC, the General Partner of MPM BioVentures V, L.P.</u>	<u>02/03/2012</u>
<u>/s/ Ansbert Gadicke, Member of MPM BioVentures V LLC, the Managing Member of MPM BioVentures V GP LLC</u>	<u>02/03/2012</u>
<u>/s/ Ansbert Gadicke, Member of MPM BioVentures V LLC</u>	<u>02/03/2012</u>
<u>/s/ Luke Evin</u>	<u>02/03/2012</u>
<u>/s/ Todd Foley</u>	<u>02/03/2012</u>
<u>/s/ Vaughn M. Kailian</u>	<u>02/03/2012</u>
<u>/s/ James Paul Scopa</u>	<u>02/03/2012</u>
<u>/s/ Steven St. Peter</u>	<u>02/03/2012</u>
<u>/s/ John Vander Vort</u>	<u>02/03/2012</u>

** 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 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).

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.