Verastem, Inc.
Form SC 13G
January 26, 2018
UNITED STATES

SECURITIES AND EXCHANGE COMMISSION

Washington, D.C. 20549

SCHEDULE 13G

(Rule 13d-102)

INFORMATION TO BE INCLUDED IN STATEMENTS FILED PURSUANT

TO RULES 13d-1(b), (c), AND (d) AND AMENDMENTS THERETO FILED

PURSUANT TO RULE 13d-2(b)

(Amendment No.)¹

Verastem, Inc. (Name of Issuer)

Common Stock, \$0.0001 par value (Title of Class of Securities)

92337C104 (CUSIP Number)

January 16, 2018 (Date of Event Which Requires Filing of this Statement)

Check the appropriate box to designate the rule pursuant to which this Schedule is filed:

Rule 13d-1(b)

Rule 13d-1(c)

Rule 13d-1(d)

¹ The remainder of this cover page shall be filled out for a reporting person's initial filing on this form with respect to the subject class of securities, and for any subsequent amendment containing information which would alter disclosures provided in a prior cover page.

The information required on the remainder of this cover page shall not be deemed to be "filed" for the purpose of Section 18 of the Securities Exchange Act of 1934 ("Act") or otherwise subject to the liabilities of that section of the Act but shall be subject to all other provisions of the Act (however, *see* the *Notes*).

1	NAME OF I	REPORTING
2	Biotechn Fund, L. CHECK TH APPROPRI BOX IF A MEMBER O GROUP	IE ATE (a)
		(-)
3	SEC USE O	NLY
4	CITIZENSI OF ORGAN	HIP OR PLACE NIZATION
	Delawar	e
NUMBER OF	5	SOLE VOTING POWER
SHARES BENEFICIALLY	7	0 shares
OWNED BY	6	SHARED VOTING POWER
EACH REPORTING		1,293,127
PERSON WITH	7	SOLE DISPOSITIVE POWER
	8	0 shares SHARED DISPOSITIVE POWER
9	BENEFICIA	1,293,127 TE AMOUNT ALLY OWNED REPORTING
10	1,293,12 CHECK BC THE AGGR AMOUNT I	X IF REGATE

(9) EXCLUDES CERTAIN SHARES

PERCENT OF CLASS 11 REPRESENTED BY AMOUNT IN ROW (9)

2.7%

12 TYPE OF REPORTING PERSON

PN

1	NAME OF F PERSON	REPORTING
	Biotechno Fund II, l CHECK TH APPROPRIA	Е
2	BOX IF A MEMBER C GROUP	(a)
		(b)
3	SEC USE O	NLY
4	CITIZENSH OF ORGAN	IP OR PLACE IZATION
	Delaware	.
NUMBER OF	5	SOLE VOTING POWER
SHARES BENEFICIALLY	7	0 shares
OWNED BY	6	SHARED VOTING POWER
EACH REPORTING		863,522
PERSON WITH	7	SOLE DISPOSITIVE POWER
	8	0 shares SHARED DISPOSITIVE POWER
9	BENEFICIA	863,522 TE AMOUNT LLY OWNED REPORTING
10	863,522 CHECK BO THE AGGR AMOUNT I (9) EXCLUI	EGATE N ROW

CERTAIN SHARES

PERCENT OF CLASS 11 REPRESENTED BY AMOUNT IN ROW (9)

1.8%

12 TYPE OF REPORTING PERSON

PN

1	NAME OF PERSON	REPORTING
2		IATE (a) OF A
3	SEC USE ((b) ONLY
4		HIP OR PLACE NIZATION
	Caymar	n Islands SOLE
NUMBER OF	5	VOTING POWER
SHARES BENEFICIALLY OWNED BY	6	0 shares SHARED VOTING POWER
EACH REPORTING PERSON WITH	7	221,646 SOLE DISPOSITIVE
PERSON WITH	1	POWER
	8	0 shares SHARED DISPOSITIVE POWER
9	BENEFICI	221,646 ATE AMOUNT ALLY OWNED REPORTING
10	221,646 CHECK BO	

THE AGGREGATE

AMOUNT IN ROW (9) EXCLUDES CERTAIN SHARES

PERCENT OF CLASS
REPRESENTED BY
AMOUNT IN ROW (9)

Less than 1% TYPE OF REPORTING PERSON

PN

4

1	NAME OF PERSON	REPORTING
2	BVF Par CHECK TH APPROPRI BOX IF A MEMBER O GROUP	ATE (a)
		(b)
3	SEC USE O	NLY
4	CITIZENSI OF ORGAN	HIP OR PLACE NIZATION
	Cayman	
NUMBER OF	5	SOLE VOTING POWER
SHARES BENEFICIALLY	7	0 shares
OWNED BY	6	SHARED VOTING POWER
EACH REPORTING		221,646
PERSON WITH	7	SOLE DISPOSITIVE POWER
	8	0 shares SHARED DISPOSITIVE POWER
9	BENEFICIA	221,646 TE AMOUNT ALLY OWNED REPORTING
10	221,646 CHECK BC THE AGGR AMOUNT I	REGATE

(9) EXCLUDES CERTAIN SHARES

PERCENT OF CLASS 11 REPRESENTED BY AMOUNT IN ROW (9)

Less than 1%

TYPE OF REPORTING

12 PERSON

CO

1	NAME OF REPORTING PERSON	
2	BVF Par CHECK TH APPROPRI BOX IF A MEMBER O GROUP	ATE (a)
		(b)
3	SEC USE O	NLY
4	CITIZENSH OF ORGAN	HIP OR PLACE NIZATION
	Delawar	e
NUMBER OF	5	SOLE VOTING POWER
SHARES BENEFICIALLY	7	0 shares
OWNED BY	6	SHARED VOTING POWER
EACH REPORTING		2,737,000
PERSON WITH	7	SOLE DISPOSITIVE POWER
	8	0 shares SHARED DISPOSITIVE POWER
9	BENEFICIA	2,737,000 TE AMOUNT ALLY OWNED REPORTING
10	2,737,00 CHECK BC THE AGGR AMOUNT I (9) EXCLU	OX IF REGATE IN ROW

CERTAIN SHARES

PERCENT OF CLASS 11 REPRESENTED BY AMOUNT IN ROW (9)

5.7%

12 TYPE OF REPORTING PERSON

PN, IA

1	NAME OF PERSON	REPORTING
2	BVF Inc CHECK TH APPROPRI BOX IF A MEMBER O GROUP	IE ATE (a)
3	SEC USE O	NLY
4	CITIZENSI OF ORGAN	HIP OR PLACE NIZATION
	Delawar	e
NUMBER OF	5	SOLE VOTING POWER
SHARES		
BENEFICIALLY	7	0 shares
OWNED BY	6	SHARED
OWNED BI	O	VOTING POWER
EACH		TOWER
REPORTING		2,737,000
PERSON WITH	7	SOLE DISPOSITIVE POWER
	8	0 shares SHARED DISPOSITIVE POWER
9	BENEFICIA	2,737,000 TE AMOUNT ALLY OWNED REPORTING
10	2,737,00 CHECK BO THE AGGR AMOUNT I (9) EXCLU	OX IF REGATE IN ROW

CERTAIN SHARES

PERCENT OF CLASS 11 REPRESENTED BY AMOUNT IN ROW (9)

5.7%

12 TYPE OF REPORTING PERSON

CO

1	NAME OF I	REPORTING
2	Mark N. CHECK TH APPROPRI BOX IF A MEMBER O GROUP	ATE (a)
3	SEC USE O	NLY
4	CITIZENSH OF ORGAN	HIP OR PLACE NIZATION
	United S	tates
NIIMPED OF		SOLE VOTING
NUMBER OF	5	POWER
SHARES	_	
BENEFICIALLY		0 shares
OWNED BY	6	SHARED VOTING
OWNEDBI	U	POWER
EACH		TOWER
REPORTING		2,737,000
		SOLE
PERSON WITH	7	DISPOSITIVE
		POWER
	8	0 shares SHARED DISPOSITIVE POWER
9	BENEFICIA	2,737,000 TE AMOUNT ALLY OWNED REPORTING
10	2,737,00 CHECK BO THE AGGR AMOUNT I (9) EXCLU	OX IF REGATE IN ROW

CERTAIN SHARES

PERCENT OF CLASS 11 REPRESENTED BY AMOUNT IN ROW (9)

5.7%

12 TYPE OF REPORTING PERSON

IN

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Item 1(a). Name of Issuer:

Verastem, Inc., a Delaware corporation (the "Issuer").

Item 1(b). Address of Issuer's Principal Executive Offices:

117 Kendrick Street, Suite 500

Needham, MA 02494

Biotechnology Value Fund, L.P. ("BVF")

1 Sansome Street, 30th Floor

San Francisco, California 94104

Citizenship: Delaware

Biotechnology Value Fund II, L.P. ("BVF2")

1 Sansome Street, 30th Floor

San Francisco, California 94104

Citizenship: Delaware

Biotechnology Value Trading Fund OS LP ("Trading Fund OS")

PO Box 309 Ugland House

Grand Cayman, KY1-1104

Cayman Islands

Citizenship: Cayman Islands
BVF Partners OS Ltd. ("Partners OS")
PO Box 309 Ugland House
Grand Cayman, KY1-1104
Cayman Islands
Citizenship: Cayman Islands
BVF Partners L.P. ("Partners")
1 Sansome Street, 30th Floor
San Francisco, California 94104
Citizenship: Delaware
BVF Inc.
1 Sansome Street, 30 th Floor
San Francisco, California 94104
Citizenship: Delaware
Mark N. Lampert ("Mr. Lampert")
1 Sansome Street, 30 th Floor
San Francisco, California 94104
Citizenship: United States
Each of the foregoing is referred to as a "Reporting Person" and collectively as the "Reporting Persons."

Item 2(d).	Title of Class of Securities:		
Common Stock, \$0.0001 par value (the "Common Stock	")		
Item 2(e).	CUSIP Number:		
92337C104			
Item 3. If This Statement is Filed Pursuant to Rule 13d-1	(b), or 13d-2(b) or (c), Check Whether the Person Filing is a:		
/x/Not applicable.			
(a)// Broker or dealer registered under Section 15 of the	Exchange Act.		
(b)// Bank as defined in Section 3(a)(6) of the Exchange	e Act.		
(c)// Insurance company as defined in Section 3(a)(19) of the Exchange Act.			
(d)// Investment company registered under Section 8 of	the Investment Company Act.		
(e)// An investment adviser in accordance with Rule 13d	d-1(b)(1)(ii)(E).		
(f) // An employee benefit plan or endowment fund in ac	ccordance with Rule 13d-1(b)(1)(ii)(F).		
(g)// A parent holding company or control person in accordance with Rule 13d-1(b)(1)(ii)(G).			
(h)// A savings association as defined in Section 3(b) of the Federal Deposit Insurance Act.			
(i) // A church plan that is excluded from the definition of Investment Company Act.	of an investment company under Section 3(c)(14) of the		
(j) // Group, in accordance with Rule 13d-1(b)(1)(ii)(J).			
(k)// Group, in accordance with Rule 240.13d-1(b)(1)(ii Rule 240.13d-1(b)(1)(ii)(J), please specify the type	(K). If filing as a non-U.S. institution in accordance with of institution:		
Item 4.	Ownership		
(a)	Amount beneficially owned:		

As of the close of business on January 26, 2018 (i) BVF beneficially owned 1,293,127 shares of Common Stock, (ii) BVF2 beneficially owned 863,522 shares of Common Stock, and (iii) Trading Fund OS beneficially owned 221,646 shares of Common Stock.

Partners OS, as the general partner of Trading Fund OS, may be deemed to beneficially own the 221,646 shares of Common Stock beneficially owned by Trading Fund OS.

Partners, as the general partner of BVF, BVF2, the investment manager of Trading Fund OS, and the sole member of Partners OS, may be deemed to beneficially own the 2,737,000 shares of Common Stock beneficially owned in the aggregate by BVF, BVF2, Trading Fund OS, and certain Partners managed accounts (the "Partners Managed Accounts"), including 358,705 shares of Common Stock held in the Partners Managed Accounts.

BVF Inc., as the general partner of Partners, may be deemed to beneficially own the 2,737,000 shares of Common Stock beneficially owned by Partners.

Mr. Lampert, as a director and officer of BVF Inc., may be deemed to beneficially own the 2,737,000 shares of Common Stock beneficially owned by BVF Inc.

The foregoing should not be construed in and of itself as an admission by any Reporting Person as to beneficial ownership of any shares of Common Stock owned by another Reporting Person. Partners OS disclaims beneficial ownership of the shares of Common Stock beneficially owned by Trading Fund OS. Each of Partners, BVF Inc. and Mr. Lampert disclaims beneficial ownership of the shares of Common Stock beneficially owned by BVF, BVF2, Trading Fund OS, and the Partners Managed Accounts, and the filing of this statement shall not be construed as an admission that any such person or entity is the beneficial owner of any such securities.

(b) Percent of class:

The following percentages are based on 48,367,905 shares of Common Stock outstanding, which is the total number of shares of Common Stock outstanding as reported in the Issuer's Prospectus Supplement filed with the Securities and Exchange Commission on December 18, 2017.

As of the close of business on January 26, 2018 (i) BVF beneficially owned approximately 2.7% of the outstanding shares of Common Stock, (ii) BVF2 beneficially owned approximately 1.8% of the outstanding shares of Common Stock, (iii) Trading Fund OS beneficially owned less than 1% of the outstanding shares of Common Stock (iv) Partners OS may be deemed to beneficially own less than 1% of the outstanding shares of Common Stock, and (v) each of Partners, BVF Inc. and Mr. Lampert may be deemed to beneficially own approximately 5.7% of the outstanding shares of Common Stock (less than 1% of the outstanding shares of Common Stock are held in the Partners Managed Accounts).

(c) Number of shares as to which such person has:

(i)	Sole power to vote or to direct the vote
See Cover Pages Items 5-9.	
(ii)	Shared power to vote or to direct the vote
See Cover Pages Items 5-9.	
(iii)	Sole power to dispose or to direct the disposition of
See Cover Pages Items 5-9.	
(iv)	Shared power to dispose or to direct the disposition of
See Cover Pages Items 5-9.	
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I	tem 5.	Ownership of Five Percent or Less of a Class.			
Not Applicable.					
Item 6.	Ownersh	ip of More than Five Percent on Behalf of Another Person.			
	_	yoting and dispositive power over the shares of Common Stock g Fund OS, and the Partners Managed Accounts.			
 Item Identification and Classification of the Subsidiary That Acquired the Security Being Reported on by the Parent Holding Company or Control Person. 					
Not Applicable.					
Item	8. Ide	entification and Classification of Members of the Group.			
See Exhibit 99.1.					
	Item 9.	Notice of Dissolution of Group.			
Not Applicable.					
	Item 10.	Certifications.			
	_	vertifies that, to the best of its knowledge and belief, the securities referred for the purpose of or with the effect of changing or influencing the control			

of the issuer of the securities and were not acquired and are not held in connection with or as a participant in any

transaction having that purpose or effect.

SIGNATURE

After reasonable inquiry and to the best of his knowledge and belief, each of the undersigned certifies that the information set forth in this statement is true, complete and correct.

Dated: January 26, 2018

BIOTECHNOLOGY VALUE FUND, L.P.

By: BVF Partners L.P., its general partner

By: BVF Inc., its general partner

By:/s/ Mark N. Lampert Mark N. Lampert

President

BVF INC.

/s/ Mark N. Lampert By: Mark N. Lampert

President

/s/ Mark N. Lampert MARK N. LAMPERT

BIOTECHNOLOGY VALUE FUND II, L.P.

By: BVF Partners L.P., its general partner

By: BVF Inc., its general partner

By:/s/ Mark N. Lampert Mark N. Lampert President

BVF PARTNERS L.P.

By: BVF Inc., its general partner

By:/s/ Mark N. Lampert Mark N. Lampert President

BVF PARTNERS OS LTD.

By: BVF Partners L.P., its sole member By: BVF Inc., its general partner

By:/s/ Mark N. Lampert Mark N. Lampert

President

Biotechnology Value Trading Fund OS LP

By: BVF Partners L.P., its investment manager

By: BVF Inc., its general partner

By:/s/ Mark N. Lampert Mark N. Lampert President