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)¹

Fate Therapeutics, Inc. (Name of Issuer)

Common stock, par value \$0.001 per share (Title of Class of Securities)

31189P 10 2 (CUSIP Number)

December 31, 2017 (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 PERSON	REPORTING
2	Biotechi Fund, L. CHECK TH APPROPRI BOX IF A MEMBER G	IE ATE (a)
3	SEC USE C	
4	CITIZENSI OF ORGAN	HIP OR PLACE NIZATION
	Delawar	e
NUMBER OF	5	SOLE VOTING POWER
SHARES		TOWER
BENEFICIALLY	<i>T</i>	0 shares
OWNED BY EACH	6	SHARED VOTING POWER
		0
REPORTING		shares
PERSON WITH	7	SOLE DISPOSITIVE POWER
	8	0 shares SHARED DISPOSITIVE POWER
9	BENEFICIA	0 shares TE AMOUNT ALLY OWNED REPORTING

	0 shares
10	CHECK BOX IF
	THE AGGREGATE
	AMOUNT IN ROW
10	(9) EXCLUDES
	CERTAIN
	SHARES

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

0%

12 TYPE OF REPORTING PERSON

PN

CUSIP No. 31189P 10 2

1	NAME OF I	REPORTING
2	Biotechn Fund II, CHECK TH APPROPRI BOX IF A MEMBER O GROUP	E ATE (a)
3	SEC USE O	
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		0
REPORTING PERSON WITH	7	shares SOLE DISPOSITIVE POWER
	8	0 shares SHARED DISPOSITIVE POWER
9	BENEFICIA	0 shares TE AMOUNT ALLY OWNED REPORTING
	0 shares	

10 CHECK BOX IF
THE AGGREGATE
AMOUNT IN ROW
(9) EXCLUDES
CERTAIN
SHARES

PERCENT OF CLASS
REPRESENTED BY
AMOUNT IN ROW (9)

0%

12 TYPE OF REPORTING PERSON

PN

1	NAME OF REPORTING PERSON	
2		ATE (a)
3	SEC USE C	ONLY
4	CITIZENSI OF ORGAN	HIP OR PLACE NIZATION
	Cayman	Islands
NUMBER OF	5	SOLE VOTING POWER
SHARES		TOWER
BENEFICIALLY	7	0 shares
OWNED BY	6	SHARED VOTING POWER
EACH		0
REPORTING		shares
PERSON WITH	7	SOLE DISPOSITIVE POWER
	8	0 shares SHARED DISPOSITIVE POWER
9	BENEFICIA	0 shares TE AMOUNT ALLY OWNED REPORTING

10	0 shares CHECK BOX IF THE AGGREGATE AMOUNT IN ROW (9) EXCLUDES CERTAIN SHARES
----	---

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

0%

12 TYPE OF REPORTING PERSON

PN

1	NAME OF PERSON	REPORTING
2	BVF Par CHECK TH APPROPRI BOX IF A MEMBER GROUP	ATE (a)
		(b)
3	SEC USE C	ONLY
4	CITIZENSI OF ORGAN	HIP OR PLACE NIZATION
	Cayman	Islands
NUMBER OF	5	SOLE VOTING POWER
SHARES		TOWER
BENEFICIALLY	<i>T</i>	0
OWNED BY	6	shares SHARED VOTING POWER
EACH		0
REPORTING PERSON WITH	7	shares SOLE DISPOSITIVE POWER
	8	0 shares SHARED DISPOSITIVE POWER
9	BENEFICIA	0 shares TE AMOUNT ALLY OWNED REPORTING

0 shares

CHECK BOX IF THE AGGREGATE AMOUNT IN ROW

10 AMOUNT IN RO (9) EXCLUDES CERTAIN SHARES

PERCENT OF CLASS
REPRESENTED BY
AMOUNT IN ROW (9)

0%

12 TYPE OF REPORTING PERSON

CO

1	NAME OF I	REPORTING
2	BVF Par CHECK TH APPROPRI BOX IF A MEMBER (GROUP	ATE (a)
		(b)
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		0 shares
PERSON WITH	7	SOLE DISPOSITIVE POWER
	8	0 shares SHARED DISPOSITIVE POWER
9	BENEFICIA	0 shares TE AMOUNT ALLY OWNED REPORTING

0 shares

CHECK BOX IF THE AGGREGATE AMOUNT IN ROW

10 AMOUNT IN RO (9) EXCLUDES CERTAIN SHARES

PERCENT OF CLASS
REPRESENTED BY
AMOUNT IN ROW (9)

0%

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 C	. ,
J	SEC OSE C	711L 1
4	CITIZENSI OF ORGAN	HIP OR PLACE NIZATION
	Delawar	
NUMBER OF	5	SOLE VOTING POWER
SHARES		
BENEFICIALLY	7	0 shares
OWNED BY	6	SHARED VOTING POWER
EACH		0
REPORTING PERSON WITH	7	shares SOLE DISPOSITIVE POWER
	8	0 shares SHARED DISPOSITIVE POWER
9	BENEFICIA	0 shares TE AMOUNT ALLY OWNED REPORTING

0 shares

CHECK BOX IF THE AGGREGATE AMOUNT IN ROW

10 AMOUNT IN RO

CERTAIN SHARES

PERCENT OF CLASS
REPRESENTED BY
AMOUNT IN ROW (9)

0%

12 TYPE OF REPORTING

PERSON

CO

1	NAME OF PERSON	REPOR'	TING
2	Mark N. CHECK TH APPROPRI BOX IF A MEMBER O GROUP	IE ATE	rt (a)
			(b)
3	SEC USE C	NLY	
4	CITIZENSI OF ORGAN		
	United S	tates	
NUMBER OF	5	SOLE VOTIN POWE	
SHARES			0
BENEFICIALLY	7		0 shares
OWNED BY	6	SHARI VOTIN POWE	lG
EACH			0
REPORTING			0 shares
PERSON WITH	7	SOLE DISPO POWE	SITIVE R
	8	SHARI DISPO POWE	SITIVE
9	AGGREGA BENEFICIA BY EACH I	ALLY O	WNED

0 shares

CHECK BOX IF THE AGGREGATE AMOUNT IN ROW (9) EXCLUDES

CERTAIN SHARES

PERCENT OF CLASS
REPRESENTED BY
AMOUNT IN ROW (9)

0%

12 TYPE OF REPORTING PERSON

IN

8

CUSIP No. 31189P 10 2

Item 1(a). Name of Issuer:

Fate Therapeutics, Inc., a Delaware corporation (the "Issuer").

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

3535 General Atomics Court, Suite 200

San Diego, CA 92121

Item 2(a). Name of Person Filing
Item 2(b). Address of Principal Business Office or, if None, Residence
Item 2(c). Citizenship

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."

CUSIP No. 31189P 10 2

Item 2(d).	Title of Class of Securities:		
Common stock, par value \$0.001 per share (the "Comm	non Stock")		
Item 2(e).	CUSIP Number:		
31189P 10 2			
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 th	ne Exchange Act.		
(b)// Bank as defined in Section 3(a)(6) of the Exchange 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 1	3d-1(b)(1)(ii)(E).		
(f) // An employee benefit plan or endowment fund in	accordance with Rule 13d-1(b)(1)(ii)(F).		
(g)// A parent holding company or control person in ac	ecordance with Rule 13d-1(b)(1)(ii)(G).		
(h)// A savings association as defined in Section 3(b) of	of the Federal Deposit Insurance Act.		
(i) // A church plan that is excluded from the definition Investment Company Act.	n 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)(Rule 240.13d-1(b)(1)(ii)(J), please specify the type	(ii)(K). If filing as a non-U.S. institution in accordance with the of institution:		
Item 4.	Ownership		

Amount beneficially owned:

(a)

As of the close of busine of the Issuer.	ss on December 31, 2017	, the Reporting Persons no longer beneficially owned any securities
	(b)	Percent of class:
Not Applicable.		

CUSIP No. 31189P 10 2

(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.			
Item 5.	Ownership of Five Percent or Less of a Class.		
	d to report the fact that as of the date hereof the reporting person has ceased to be the in five percent of the class of securities, check the following [X].		
Item 6.	Ownership of More than Five Percent on Behalf of Another Person.		
Not Applicable.			

Item 7.	Identification and Classification of the Subsidiary That Acquired the Security Being Reported on by the Parent Holding Company or Control Person.		
Not A	Applicable.		
	Item 8.	Identification and Classification of Members of the Group.	
	Exhibit 99.1 to the Schedule 13G feecember 1, 2016.	led by the Reporting Persons with the Securities and Exchange Commission	
	Item 9.	Notice of Dissolution of Group.	
Not A	Applicable.		
	Item 10	Certifications.	
to abo	ove were not acquired and are not	ed certifies that, to the best of its knowledge and belief, the securities referred neld for the purpose of or with the effect of changing or influencing the control acquired and are not held in connection with or as a participant in any t.	

CUSIP No. 31189P 10 2

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: February 14, 2018

BIOTECHNOLOGY VALUE FUND, L.P. BVF INC.

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

By: BVF Inc., its general partner

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

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

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