FATE THERAPEUTICS INC Form SC 13G/A February 14, 2018

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

SCHEDULE 13G/A

Under the Securities Exchange Act of 1934 (Amendment No. 1)*

FATE THERAPEUTICS, INC.

(Name of Issuer)

COMMON STOCK

(Title of Class of Securities)

31189P102

(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:

- o Rule 13d-1(b)
- x Rule 13d-1(c)
- o Rule 13d-1(d)

The information required in 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).

^{*}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 the disclosures provided in a prior cover page.

CUSIP No. 31189P102

1.	Name of Reporting Persons Venrock Associates V, L.P.			
2.	Check the Appropriate Box if a (a) (b)	Member of a Group (See In x(1) o	nstructions)	
3.	SEC Use Only			
4.	Citizenship or Place of Organiz Delaware	ation		
Number of	5.		Sole Voting Power 0	
Shares Beneficially Owned by	6.		Shared Voting Power 2,473,187(2)	
Each Reporting Person With:	7.		Sole Dispositive Power 0	
	8.		Shared Dispositive Power 2,473,187(2)	
9.	Aggregate Amount Beneficially Owned by Each Reporting Person 2,473,187(2)			
10.	Check if the Aggregate Amount in Row (9) Excludes Certain Shares (See Instructions) o			
11.	Percent of Class Represented by 4.7%(3)	y Amount in Row (9)		
12.	Type of Reporting Person (See PN	Instructions)		

⁽²⁾ Consists of 2,231,558 shares of common stock owned by Venrock Associates V, L.P., 189,198 shares of common stock owned by Venrock Partners V, L.P. and 52,431 shares of common stock owned by Venrock Entrepreneurs Fund V, L.P.

⁽³⁾ This percentage is calculated based (a) 41,685,695 shares of the Issuer s common stock outstanding as of October 31, 2017 as reported in the Issuer s Quarterly Report on Form 10-Q filed with the Securities and Exchange Commission on November 1, 2017 and (b) 10,953,750 shares of common stock issued pursuant to an underwritten public offering that closed on December 15, 2017.

CUSIP No. 31189P102

1.	Name of Reporting Persons Venrock Partners V, L.P.		
2.	Check the Appropriate Box if (a) (b)	a Member of a Group (See I x(1) 0	nstructions)
3.	SEC Use Only		
4.	Citizenship or Place of Organ Delaware	ization	
N. 1. 6	5.		Sole Voting Power 0
Number of Shares Beneficially Owned by	6.		Shared Voting Power 2,473,187(2)
Each Reporting Person With:	7.		Sole Dispositive Power 0
	8.		Shared Dispositive Power 2,473,187(2)
9.	Aggregate Amount Beneficially Owned by Each Reporting Person 2,473,187(2)		
10.	Check if the Aggregate Amount in Row (9) Excludes Certain Shares (See Instructions) o		
11.	Percent of Class Represented 4.7%(3)	by Amount in Row (9)	
12.	Type of Reporting Person (Se PN	e Instructions)	

⁽²⁾ Consists of 2,231,558 shares of common stock owned by Venrock Associates V, L.P., 189,198 shares of common stock owned by Venrock Partners V, L.P. and 52,431 shares of common stock owned by Venrock Entrepreneurs Fund V, L.P.

⁽³⁾ This percentage is calculated based (a) 41,685,695 shares of the Issuer s common stock outstanding as of October 31, 2017 as reported in the Issuer s Quarterly Report on Form 10-Q filed with the Securities and Exchange Commission on November 1, 2017 and (b) 10,953,750 shares of common stock issued pursuant to an underwritten public offering that closed on December 15, 2017.

CUSIP No. 31189P102

1.	Name of Reporting Persons Venrock Entrepreneurs Fund V, L.P.			
2.	Check the Appropriate (a) (b)	Box if a Member of a G $x(1)$ 0	roup (See Instructions)	
3.	SEC Use Only			
4.	Citizenship or Place of Delaware	Organization		
Name have a C	5.		Sole Voting Power 0	
Number of Shares Beneficially Owned by	6.		Shared Voting Power 2,473,187(2)	
Owned by Each Reporting Person With:	7.		Sole Dispositive Power 0	
Terson Willi	8.		Shared Dispositive Power 2,473,187(2)	
9.	Aggregate Amount Beneficially Owned by Each Reporting Person 2,473,187(2)			
10.	Check if the Aggregate Amount in Row (9) Excludes Certain Shares (See Instructions) o			
11.	Percent of Class Repres 4.7%(3)	sented by Amount in Ro	w (9)	
12.	Type of Reporting Person	son (See Instructions)		

⁽²⁾ Consists of 2,231,558 shares of common stock owned by Venrock Associates V, L.P., 189,198 shares of common stock owned by Venrock Partners V, L.P. and 52,431 shares of common stock owned by Venrock Entrepreneurs Fund V, L.P.

⁽³⁾ This percentage is calculated based (a) 41,685,695 shares of the Issuer s common stock outstanding as of October 31, 2017 as reported in the Issuer s Quarterly Report on Form 10-Q filed with the Securities and Exchange Commission on November 1, 2017 and (b) 10,953,750 shares of common stock issued pursuant to an underwritten public offering that closed on December 15, 2017.

CUSIP No. 31189P102

1.	Name of Reporting Persons Venrock Management V, LLC		
2.	Check the Appropriate Box i (a) (b)	if a Member of a Group (See x(1) 0	Instructions)
3.	SEC Use Only		
4.	Citizenship or Place of Orga Delaware	nization	
Number of	5.		Sole Voting Power 0
Shares Beneficially Owned by	6.		Shared Voting Power 2,473,187(2)
Each Reporting Person With:	7.		Sole Dispositive Power 0
Terson Willi	8.		Shared Dispositive Power 2,473,187(2)
9.	Aggregate Amount Beneficia 2,473,187(2)	ally Owned by Each Reporting	ng Person
10.	Check if the Aggregate Amo	ount in Row (9) Excludes Cer	tain Shares (See Instructions) o
11.	Percent of Class Represented 4.7%(3)	d by Amount in Row (9)	
12.	Type of Reporting Person (S OO	ee Instructions)	

⁽¹⁾ Venrock Associates V, L.P., Venrock Partners V, L.P. and Venrock Entrepreneurs Fund V, L.P. (collectively, the Venrock Entities) and the general partner of each Venrock Entity respectively, Venrock Management V, LLC, Venrock Partners Management V, LLC and VEF Management V, LLC (collectively, the Venrock GPs) are members of a group for purposes of this Schedule 13G/A. The Venrock Entities and the Venrock GPs are collectively referred to herein as the Reporting Persons.

⁽²⁾ Consists of 2,231,558 shares of common stock owned by Venrock Associates V, L.P., 189,198 shares of common stock owned by Venrock Partners V, L.P. and 52,431 shares of common stock owned by Venrock Entrepreneurs Fund V, L.P.

⁽³⁾ This percentage is calculated based (a) 41,685,695 shares of the Issuer s common stock outstanding as of October 31, 2017 as reported in the Issuer s Quarterly Report on Form 10-Q filed with the Securities and Exchange Commission on November 1, 2017 and (b) 10,953,750 shares of common stock issued pursuant to an underwritten public offering that closed on December 15, 2017.

CUSIP No. 31189P102

1.	Name of Reporting Persons Venrock Partners Management V, LLC		
2.	Check the Appropriate B (a) (b)	Box if a Member of a Group (See $x(1)$ 0	Instructions)
3.	SEC Use Only		
4.	Citizenship or Place of C Delaware	Organization	
N. 1. 6	5.		Sole Voting Power 0
Number of Shares Beneficially Owned by	6.		Shared Voting Power 2,473,187(2)
Each Reporting Person With:	7.		Sole Dispositive Power 0
	8.		Shared Dispositive Power 2,473,187(2)
9.	Aggregate Amount Beneficially Owned by Each Reporting Person 2,473,187(2)		
10.	Check if the Aggregate Amount in Row (9) Excludes Certain Shares (See Instructions) o		
11.	Percent of Class Represe 4.7%(3)	ented by Amount in Row (9)	
12.	Type of Reporting Perso. OO	n (See Instructions)	

(1) Venrock Associates V, L.P., Venrock Partners V, L.P. and Venrock Entrepreneurs Fund V, L.P. (collectively, the Venrock Entities) and the general partner of each Venrock Entity respectively, Venrock Management V, LLC, Venrock Partners Management V, LLC and VEF Management V, LLC (collectively, the Venrock GPs) are members of a group for purposes of this Schedule 13G/A. The Venrock Entities and the Venrock GPs are collectively referred to herein as the Reporting Persons.

(2) Consists of 2,231,558 shares of common stock owned by Venrock Associates V, L.P., 189,198 shares of common stock owned by Venrock Partners V, L.P. and 52,431 shares of common stock owned by Venrock Entrepreneurs Fund V, L.P.

(3) This percentage is calculated based (a) 41,685,695 shares of the Issuer s common stock outstanding as of October 31, 2017 as reported in the Issuer s Quarterly Report on Form 10-Q filed with the Securities and Exchange Commission on November 1, 2017 and (b) 10,953,750 shares of common stock issued pursuant to an underwritten public offering that closed on December 15, 2017.

CUSIP No. 31189P102

1.	Name of Reporting Persons VEF Management V, LLC			
2.	Check the Appropriate Box if	a Member of a Group (See I	nstructions)	
	(a)	x(1)		
	(b)	0		
3.	SEC Use Only			
4.	Citizenship or Place of Organi Delaware	zation		
Number of	5.		Sole Voting Power 0	
Shares Beneficially Owned by	6.		Shared Voting Power 2,473,187(2)	
Each Reporting Person With:	7.		Sole Dispositive Power 0	
	8.		Shared Dispositive Power 2,473,187(2)	
9.	Aggregate Amount Beneficially Owned by Each Reporting Person 2,473,187(2)			
10.	Check if the Aggregate Amount in Row (9) Excludes Certain Shares (See Instructions) o			
11.	Percent of Class Represented by 4.7%(3)	by Amount in Row (9)		
12.	Type of Reporting Person (See OO	e Instructions)		

⁽²⁾ Consists of 2,231,558 shares of common stock owned by Venrock Associates V, L.P., 189,198 shares of common stock owned by Venrock Partners V, L.P. and 52,431 shares of common stock owned by Venrock Entrepreneurs Fund V, L.P.

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Introductory Note: This Statement on Schedule 13G/A is filed on behalf of Venrock Associates V, L.P., a limited partnership organized under the laws of the State of Delaware, Venrock Partners V, L.P., a limited partnership organized under the laws of the State of Delaware, Venrock Entrepreneurs Fund V, L.P., a limited partnership organized under the laws of the State of Delaware (collectively, the Venrock Entities), as well as Venrock Management V, LLC, a limited liability company organized under the laws of the State of Delaware, Venrock Partners Management V, LLC, a limited liability company organized under the laws of the State of Delaware and VEF Management V, LLC, a limited liability company organized under the laws of the State of Delaware (collectively, the Venrock GPs) in respect of shares of common stock of Fate Therapeutics, Inc.

Item 1.					
	(a)		Name of Issuer		
			Fate Therapeutics, Inc.		
	(b)		Address of Issuer s Principal Executive Offices		
			3535 General Atomics Court, Suite 200		
			San Diego, California 92	121	
Item 2.					
2000 20	(a)		Name of Person Filing		
			Venrock Associates V, L	P.	
			Venrock Partners V, L.P.	•	
			Venrock Entrepreneurs F		
			Venrock Management V		
			Venrock Partners Manag		
	(b)		VEF Management V, LL	siness Office or, if none, Residence	
New York Office:	. ,		Address of Fillerpar Bus	Palo Alto Office:	Boston Office:
Tien Tom Omee.					200001 0111001
530 Fifth Avenue				3340 Hillview Avenue	34 Farnsworth Street
22nd Floor				Palo Alto, CA 94304	3rd Floor
New York, NY 10	0036				Boston, MA 02210
		(c)		Citizenship	
				Each of the Venrock Entities are lin	nited partnerships organized in the State
				of Delaware. Each of the Venrock C	GPs are limited liability companies
				organized in the State of Delaware.	
		(d)		Title of Class of Securities	
				Common Stock	
		(e)		CUSIP Number	
				31189P102	

If this statement is filed pursuant to §§240.13d-1(b), or 240.13d-2(b) or (c), check whether the person filing is

Item 3.

Not applicable