FORM 4

UNITED STATES SECURITIES AND EXCHANGE COMMISSION

Washington, D.C. 20549

OMB APPROVAL						
OMB Number: 3235-0287						
Estimated average burden						
hours per response:	0.5					

Check this box if no longer subject to Section 16. Form 4 or Form 5 obligations may continue. See Instruction 1(b).

STATEMENT OF CHANGES IN BENEFICIAL OWNERSHIP

Filed pursuant to Section 16(a) of the Securities Exchange Act of 1934 or Section 30(h) of the Investment Company Act of 1940

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The state of the s					2. Issuer Name and Ticker or Trading Symbol FATE THERAPEUTICS INC [FATE]								S. Relationship of Reporting Person(s) to Issuer (Check all applicable) X Director X 10% Owner						
(Last)	(F	iirst) ((Middle)			3. Date of Earliest Transaction (Month/Day/Year) 07/31/2018							X	Director Officer (give title below)				(specify	
ONE LETTERMAN DRIVE, BUILDING D SUITE D3-300 4. If Am						If Amendment, Date of Original Filed (Month/Day/Year)						· .	6. Individual or Joint/Group Filing (Check Applicable Line)						
(Street) SAN FRANCE	ISCO C	A !	94129											X		n filed by One n filed by Mor on		•	
(City)	(S	state)	(Zip)																
		Tab	le I - N	lon-Deri	vative	Sec	uritie	s Ac	quired, [Disp	osed	of, or B	enefic	ially	Own	ed			
1. Title of Security (Instr. 3) 2. Transactic Date (Month/Day/				Execution Date,			Code (In	Transaction Disposed Of (D) (Ins					5. Amount of Securities Beneficially Owned		6. Ownership Form: Direct (D) or Indirect (I)		7. Nature of Indirect Beneficial Ownership		
							Code	v	Amoun	nt (A)	or Price R		Repor Trans	Following Reported Transaction(s) (Instr. 3 and 4)		tr. 4)	(Instr. 4)		
			Tab						quired, Di					/ Owr	ed				
1. Title of Derivative Security (Instr. 3)	2. Conversion or Exercise Price of Derivative Security	3. Transaction Date (Month/Day/Year)	if any	emed on Date, /Day/Year)	4. Transac Code (li 8)		n of E		Expiration	6. Date Exercisal Expiration Date (Month/Day/Year		7. Title and Amount of Securities Underlying Derivative Security (Instr. 5 and 4)		8. Prof Deri Secu (Inst	vative Securities Irity Beneficially		O F: D O (I)	10. Ownership Form: Direct (D) or Indirect (I) (Instr. 4)	11. Nature of Indirect Beneficial Ownership (Instr. 4)
					Code	v	(A)	(D)	Date Exercisable		oiration te	Title	Amoun or Number of Shares						
Stock Option (Right to Buy)	\$8.93	07/31/2018			A		24,000		(1)	07/	31/2028	Common Stock	24,000	\$(0.00	24,000		I	See footnote ⁽²⁾⁽³⁾
	nd Address	of Reporting Persor	n*																

Redmile Group, LLC									
(Last)	(First)	(Middle)							
ONE LETTERMAN DRIVE, BUILDING D SUITE D3-300									
(Street)									
SAN FRANCISCO	CA	94129							
(City)	(State)	(Zip)							

1. Name and Address of Green Jeremy	, ,							
(Last)	(First)	(Middle)						
C/O REDMILE GROUP, LLC								
ONE LETTERMAN DR., BLDG. D, SUITE D3-300								
(Otro 4)								
(Street) SAN FRANCISCO	CA	04120						
SAN FRANCISCO	CA	94129						
(City)	(State)	(7in)						
(City)	(State)	(Zip)						

Explanation of Responses:

- 1. The shares subject to the stock option will vest in equal monthly installments during the 36 months following the grant date, subject to Michael Lee's continued service on the Board of Directors of the Issuer through each vesting date.
- 2. The stock option was granted to Mr. Lee, a managing director of Redmile Group, LLC ("Redmile"), in connection with his appointment to the Board of Directors of the Issuer. Pursuant to the policies of Redmile, Mr. Lee holds this stock option as a nominee on behalf, and for the sole benefit, of Redmile and has assigned all economic, pecuniary and voting rights in respect of the stock option to Redmile. Mr. Lee disclaims beneficial ownership of the stock option, and the filing of this Form 4 shall not be deemed an admission that Mr. Lee is the beneficial owner of the securities for purposes of Section 16 of the Securities Exchange Act of 1934, as amended, or for any other purpose.
- 3. The stock option may also be deemed beneficially owned by Jeremy Green as the principal of Redmile. Redmile and Mr. Green disclaim beneficial ownership of the stock option except to the extent of their pecuniary interest therein, and this Form 4 shall not be deemed an admission that Redmile or Mr. Green is the beneficial owner of the securities for purposes of Section 16 of the Securities Exchange Act of 1934, as amended, or for any other purpose.
- 4. Mr. Lee, a member of the board of directors of the Issuer and a managing director of Redmile, was elected to the board of the Issuer as a representative of Redmile. As a result, the Reporting Persons are directors by deputization for purposes of Section 16 of the Securities Exchange Act of 1934, as amended.

/s/ Jeremy Green, Managing

Member of Redmile Group, 08/02/2018

<u>LLC</u>

<u>/s/ Jeremy Green</u> <u>08/02/2018</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 4 (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.