

OMB APPROVAL	
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INITIAL STATEMENT OF BENEFICIAL OWNERSHIP OF SECURITIES

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>RASTETTER WILLIAM H</u> (Last) (First) (Middle) C/O FATE THERAPEUTICS, INC. 3535 GENERAL ATOMICS COURT, SUITE 200 (Street) SAN DIEGO CA 92121 (City) (State) (Zip)	2. Date of Event Requiring Statement (Month/Day/Year) 09/30/2013	3. Issuer Name and Ticker or Trading Symbol <u>FATE THERAPEUTICS INC [FATE]</u>	
		4. Relationship of Reporting Person(s) to Issuer (Check all applicable) <input checked="" type="checkbox"/> Director 10% Owner Officer (give title below) Other (specify below)	5. If Amendment, Date of Original Filed (Month/Day/Year) 6. Individual or Joint/Group Filing (Check Applicable Line) <input checked="" type="checkbox"/> Form filed by One Reporting Person 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)
Common Stock	118,360 ⁽¹⁾	I	By The Rastetter Family Trust, dated September 2, 2010

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				
Stock Option (right to buy)	(2)	02/05/2023	Common Stock	28,461	1.37	D

Explanation of Responses:

- These shares are owned of record by The Rastetter Family Trust, dated September 2, 2010 for which William H. Rastetter and Marisa Gard Rastetter serve as co-trustees. The shares are subject to a right of repurchase held by the Issuer, which will lapse according to the following schedule: the right of repurchase shall lapse in 48 equal monthly installments beginning on December 9, 2011, such that the Issuer's repurchase right will have lapsed in full on November 9, 2015. The right of repurchase will lapse in full upon a change in control of the Issuer.
- The shares subject to this option shall vest and become exercisable upon achievement of certain performance based milestones.

/s/ William H. Rastetter 09/30/2013

** 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.