FORM 4

UNITED STATES SECURITIES AND EXCHANGE COMMISSION

Washington, D.C. 20549

STATEMENT	OF CHANGES	S IN BENEFICIAL	OWNEDSHID
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OMB APPROVAL

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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).

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* Shoemaker Daniel D (Last) (First) (Middle) C/O FATE THERAPEUTICS, INC.; 3535 GENERAL ATOMICS COURT #200					3. 12	2. Issuer Name and Ticker or Trading Symbol FATE THERAPEUTICS INC [FATE] 3. Date of Earliest Transaction (Month/Day/Year) 12/30/2019								neck all appli Direct X Office below	ionship of Reporting Person(s) to Issuer all applicable) Director 10% Owner Officer (give title Other (specify below) Chief Scientific Officer			
(Street) SAN DIEGO CA 92121 (City) (State) (Zip)					_	4. If Amendment, Date of Original Filed (Month/Day/Year)							Lin	Form filed by One Reporting Person Form filed by More than One Reporting Person				
Table I - Non-Deri 1. Title of Security (Instr. 3) 2. Transac Date (Month/Da			tion	2A. Deemed Execution Da if any (Month/Day/Y		emed 3. ion Date, Transacti Code (Ins		action	4. Securities Acquired (A) or Disposed Of (D) (Instr. 3, 4 and			5. Amo Securit Benefic Owned	unt of ies ially Following	Form (D) o	n: Direct r Indirect istr. 4)	7. Nature of Indirect Beneficial Ownership		
						2010		Code M ⁽¹⁾	v	Amount	(A) or (D)	Price	Reporte Transa (Instr. 3	ction(s) and 4)			(Instr. 4)	
			12/30/2							25,000 24,900	A D	\$2.9 \$19.4937				D D		
Common Stock 12/30/20				2019	19		S ⁽¹⁾		100	D	\$20.34	12	123,791		D			
		-	Table								sposed of, , converti			Owned				
1. Title of Derivative Security (Instr. 3)	2. Conversion or Exercise Price of Derivative Security	onversion r Exercise (Month/Day/Year) rice of erivative		Execution Date, if any		4. Transaction Code (Instr. 8)		5. Number of Derivative Securities Acquired (A) or Disposed of (D) (Instr. 3, 4 and 5)		6. Date Exercisable and Expiration Date (Month/Day/Year)		7. Title and Amount of Securities Underlying Derivative Security (Instr. 3 and 4)		8. Price of Derivative Security (Instr. 5)	9. Number derivative Securities Beneficial Owned Following Reported Transactio (Instr. 4)	lly	10. Ownership Form: Direct (D) or Indirect (I) (Instr. 4)	Beneficial Ownership t (Instr. 4)
					Code	v	(A)	(D)	Date Exerc	cisable	Expiration Date	Title	Amount or Number of Shares					
Stock Option (right to buy)	\$2.9	12/30/2019			M ⁽¹⁾			25,000	((3)	01/07/2026	Common Stock	25,000	(4)	98,800		D	

Explanation of Responses:

- 1. This transaction was effected pursuant to a Rule 10b5-1 trading plan adopted by the reporting person on September 20, 2018 and modified on December 10, 2018.
- 2. Represents the weighted average sale price of the shares sold ranging from \$19.21 to \$20.08 per share. The Reporting Person will provide, upon request by the Commission staff, the Issuer, or a security holder of the Issuer, full information regarding the number of shares sold at each price.
- 3. The shares subject to this option shall vest and become exercisable in 48 equal monthly installments beginning on February 8, 2016 such that this option is fully exercisable on January 8, 2020.
- 4. Not applicable.

Remarks:

/s/ Cindy R. Tahl, as Attorney-

01/02/2020

in-Fact

** 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.