

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

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

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

1. Name and Address of Reporting Person* TAHL CINDY (Last) (First) (Middle) C/O FATE THERAPEUTICS, INC.; 3535 GENERAL ATOMICS COURT #200 (Street) SAN DIEGO CA 92121 (City) (State) (Zip)	2. Issuer Name and Ticker or Trading Symbol FATE THERAPEUTICS INC [FATE]	5. Relationship of Reporting Person(s) to Issuer (Check all applicable) Director <input type="checkbox"/> 10% Owner <input type="checkbox"/> Officer (give title below) <input checked="" type="checkbox"/> Other (specify below) <input type="checkbox"/> General Counsel and Secretary
	3. Date of Earliest Transaction (Month/Day/Year) 11/04/2020	
4. If Amendment, Date of Original Filed (Month/Day/Year)		

Table I - Non-Derivative Securities Acquired, Disposed of, or Beneficially Owned

1. Title of Security (Instr. 3)	2. Transaction Date (Month/Day/Year)	2A. Deemed Execution Date, if any (Month/Day/Year)	3. Transaction Code (Instr. 8)		4. Securities Acquired (A) or Disposed Of (D) (Instr. 3, 4 and 5)			5. Amount of Securities Beneficially Owned Following Reported Transaction(s) (Instr. 3 and 4)	6. Ownership Form: Direct (D) or Indirect (I) (Instr. 4)	7. Nature of Indirect Beneficial Ownership (Instr. 4)
			Code	V	Amount	(A) or (D)	Price			
Common stock	11/04/2020		M ⁽¹⁾		51,519	A	\$2.73	151,037	D	
Common stock	11/04/2020		S ⁽¹⁾		51,519	D	\$50.4113 ⁽²⁾	99,518	D	
Common stock	11/05/2020		M ⁽¹⁾		9,282	A	\$2.73	108,800	D	
Common stock	11/05/2020		M ⁽¹⁾		10,000	A	\$2.9	118,800	D	
Common stock	11/05/2020		S ⁽¹⁾		16,682	D	\$50.5487 ⁽²⁾	102,118	D	
Common stock	11/05/2020		S ⁽¹⁾		2,600	D	\$51.1533 ⁽³⁾	99,518	D	

Table II - Derivative Securities Acquired, Disposed of, or Beneficially Owned (e.g., puts, calls, warrants, options, convertible securities)

1. Title of Derivative Security (Instr. 3)	2. Conversion or Exercise Price of Derivative Security	3. Transaction Date (Month/Day/Year)	3A. Deemed Execution Date, if any (Month/Day/Year)	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 of derivative Securities Beneficially Owned Following Reported Transaction(s) (Instr. 4)	10. Ownership Form: Direct (D) or Indirect (I) (Instr. 4)	11. Nature of Indirect Beneficial Ownership (Instr. 4)	
				Code	V	(A)	(D)	Date Exercisable	Expiration Date						Title
Stock Option (right to buy)	\$2.73	11/04/2020		M ⁽¹⁾			51,519	(4)	01/03/2027	Common Stock	51,519	(5)	34,282	D	
Stock Option (right to buy)	\$2.73	11/05/2020		M ⁽¹⁾			9,282	(4)	01/03/2027	Common Stock	9,282	(5)	25,000	D	
Stock Option (right to buy)	\$2.9	11/05/2020		M ⁽¹⁾			10,000	(6)	01/07/2026	Common Stock	10,000	(5)	63,149	D	

Explanation of Responses:

- This transaction was effected pursuant to a Rule 10b5-1 trading plan adopted by the reporting person on June 10, 2020.
- Represents the weighted average sale price of the shares sold ranging from \$50.00 to \$50.99 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.
- Represents the weighted average sale price of the shares sold ranging from \$51.01 to \$51.31 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.
- The shares subject to this option shall vest and become exercisable in 48 monthly installments beginning on February 4, 2017 such that this option is fully exercisable on January 4, 2021.
- Not applicable.
- This option is fully vested.

Remarks:

/s/ Cindy R. Tahl

11/06/2020

** 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.