## FORM 4

## UNITED STATES SECURITIES AND EXCHANGE COMMISSION

Washington, D.C. 20549

STATEMENT OF CHANGES IN BENEFICIAL OWNERSHIP

wasnington, D.C. 2054s

1	OND AFFRO	VAL				
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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

Name and Address of Reporting Person*     TAHL CINDY				2. Issuer Name and Ticker or Trading Symbol FATE THERAPEUTICS INC [ FATE ]								elationship of ck all applica Director Officer (g	ble)	Persoi	n(s) to Issue 10% Ow Other (sp	ner	
(Last) (First) (Middle) C/O FATE THERAPEUTICS, INC.; 3535 GENERAL ATOMICS COURT #200					3. Date of Earliest Transaction (Month/Day/Year) 01/07/2019								below)	al Couns	sel and	below)	
(Street) SAN DIEGO CA 92121				4. If Amendment, Date of Original Filed (Month/Day/Year)								6. Individual or Joint/Group Filing (Check Applicable Line)  X Form filed by One Reporting Person Form filed by More than One Reporting Person					
(City)	(5	State)	(Zip)														
1. Title of Security (Instr. 3) 2. Ti			2. Transa Date				quired, Disposed of, or Benefic  3. Transaction Code (Instr. 8)  4. Securities Acquired (A) or Disposed Of (D) (Instr. 3, 4)				(A) or	5. Amount of Securities Beneficially Owned Following		6. Ownership Form: Direct (D) or Indirect (I) (Instr. 4)		7. Nature of Indirect Beneficial Ownership	
								Code	v	Amount	(A) or (D)	Price	Reported Transaction(s) (Instr. 3 and 4)				(Instr. 4)
Common	Stock			01/07/	7/2019			M <sup>(1)</sup>		2,008	A	\$1.37	47,4	47,426		D	
Common Stock				01/07/	2019			M <sup>(1)</sup>		2,080	A	\$1.69	49,5	49,506		D	
Common Stock				01/07/	2019			M <sup>(1)</sup>		8,461	A	\$1.69	57,967			D	
Common Stock				01/07/2019				M <sup>(1)</sup>		12,451	. <b>A</b>	\$2.9	70,418			D	
Common Stock			01/07/	01/07/2019					25,000	D	\$16	45,418			D		
Common Stock <sup>(2)</sup>			01/07/	7/2019			A		45,000	A	\$0.00	90,4	90,418		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 Dat if any (Month/Day/Ye	e, Trans	4. 5. Number of Derivative Securities		er of /e es d (A) or d of (D)	6. Date Exercisable and Expiration Date (Month/Day/Year)  (Month/Day/Year)  7. Title and Am of Securities Underlying Derivative Sec (Instr. 3 and 4)		d Amount es g Security	8. Price of Derivative Security (Instr. 5)	9. Number derivative Securitie Beneficial Owned Following Reported	e es ally g	10. Ownership Form: Direct (D) or Indirect (I) (Instr. 4)	11. Nature of Indirect Beneficial Ownership (Instr. 4)		
				Code	v	(A)	(D)	Date Exercisa	able	Expiration Date	Title	Amount or Number of Shares			Transaction(s)		
Stock Option (right to buy)	\$1.37	01/07/2019		M <sup>(1)</sup>			2,008	(3)		01/14/2023	Common Stock	2,008	(4)	0		D	
Stock Option (right to buy)	\$1.69	01/07/2019		M <sup>(1)</sup>			2,080	(3)		02/10/2020	Common Stock	2,080	(4)	0		D	
Stock Option (right to buy)	\$1.69	01/07/2019		M <sup>(1)</sup>			8,461	(3)		03/11/2021	Common Stock	8,461	(4)	0		D	
Stock Option (right to buy)	\$2.9	01/07/2019		M <sup>(1)</sup>			12,451	(5)		01/07/2026	Common Stock	12,451	(4)	123,1	.49	D	

## **Explanation of Responses:**

\$16.55

- 1. This transaction was effected pursuant to a Rule 10b5-1 trading plan adopted by the reporting person on September 20, 2018.
- 2. Award of Restricted Stock Units that vests with respect to 1/3 of the underlying shares on each of January 7, 2020, January 7, 2021, and January 7, 2022. This grant is subject to an accelerated vesting upon a change of control of the Issuer and in the event of termination of employment under certain circumstances following a change of control of the Issuer.
- 3. This option is fully vested.
- 4. Not applicable

Option

(right to buy)

5. 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.

135,000

6. The shares subject to this option shall vest and become exercisable in 48 equal monthly installments beginning on February 1, 2019 such that this option is fully exercisable on January 1, 2023.

## Remarks:

/s/ Cindy R. Tahl

Commor

01/06/2029

135,000

01/09/2019

135,000

\*\* Signature of Reporting Person

Date

ectly.

- Reminder: Report on a separate line for each class of securities beneficially owned directly or indirectly.
- $^{\star}$  If the form is filed by more than one reporting person, see Instruction 4 (b)(v).

01/07/2019

\*\* 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.

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