

Lieu Hsiao
Form 4
February 17, 2010

FORM 4 UNITED STATES SECURITIES AND EXCHANGE COMMISSION
Washington, D.C. 20549

OMB APPROVAL

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STATEMENT OF CHANGES IN BENEFICIAL OWNERSHIP OF SECURITIES

Filed pursuant to Section 16(a) of the Securities Exchange Act of 1934, Section 17(a) of the Public Utility Holding Company Act of 1935 or Section 30(h) of the Investment Company Act of 1940

(Print or Type Responses)

1. Name and Address of Reporting Person *
Lieu Hsiao

(Last) (First) (Middle)

C/O NILE THERAPEUTICS,
INC., 115 SANSOME STREET,
SUITE #310

(Street)

SAN FRANCISCO, CA 94104

(City) (State) (Zip)

2. Issuer Name and Ticker or Trading Symbol
Nile Therapeutics, Inc. [NLTX]

3. Date of Earliest Transaction
(Month/Day/Year)
02/15/2010

4. If Amendment, Date Original Filed(Month/Day/Year)

5. Relationship of Reporting Person(s) to Issuer

(Check all applicable)

____ Director _____ 10% Owner
 Officer (give title below) _____ Other (specify below)
VP, Clinical Research

6. Individual or Joint/Group Filing(Check Applicable Line)
 Form filed by One Reporting Person
____ Form filed by More than One Reporting Person

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 Ownership (Instr. 4)
				(A) or (D)	Amount or Price		
Common Stock					100	D	

Reminder: Report on a separate line for each class of securities beneficially owned directly or indirectly.

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SEC 1474 (9-02)

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

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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 Underlying Securities (Instr. 3 and 4)				
				Code	V	(A)	(D)	Date Exercisable	Expiration Date	Title	Amount or Number of Shares
Stock Option (Right to Buy)	\$ 1.14	02/15/2010		A		63,750	(1)	07/07/2009	07/07/2019	Common Stock	101,250
Stock Option (Right to Buy)	\$ 4.45							(1)	01/16/2019	Common Stock	21,623
Stock Option (Right to Buy)	\$ 4.45							(2)	03/10/2018	Common Stock	200,000
Stock Option (Right to Buy)	\$ 0.88							01/16/2009	01/16/2019	Common Stock	31,003

Reporting Owners

Reporting Owner Name / Address	Relationships
	Director 10% Owner Officer Other
Lieu Hsiao C/O NILE THERAPEUTICS, INC. 115 SANSOME STREET, SUITE #310 SAN FRANCISCO, CA 94104	VP, Clinical Research

Signatures

/s/ Daron Evans as Attorney-in-Fact for Hsiao D. Lieu pursuant to Power of Attorney previously filed. 02/17/2010

__Signature of Reporting Person

Date

Explanation of Responses:

- * 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).
- (1) On July 7, 2009, the Reporting Person was granted an option to purchase up to 150,000 shares of common stock of the Issuer, 37,500 of which were immediately exercisable. 75,000 of the shares subject to the option are based on the achievement of certain performance milestones (or a pro rata portion thereof for a five-month period of such milestones) following the date of grant. On February 15, 2010,

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the Reporting Person's right to purchase 63,750 shares of such 75,000-share installment vested based on the achievement of such milestones; the remaining 11,250 shares of such installment were forfeited. Vesting of the final 37,500 shares of the total grant are subject to certain other performance milestones (or a pro rata portion thereof), which have not yet been achieved.

(2) Exercisable as to 50,000 shares on 3/10/2009 and as to 4,167 shares each month thereafter for 36 months.

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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