

Lieu Hsiao
Form 5
February 14, 2012

FORM 5

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

OMB APPROVAL

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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).
Form 3 Holdings Reported Form 4 Transactions Reported

ANNUAL 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

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. Statement for Issuer's Fiscal Year Ended (Month/Day/Year)
12/31/2011

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 Reporting

(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) (A) or (D) Price | 5. Amount of Securities Beneficially Owned at end of Issuer's Fiscal Year (Instr. 3 and 4) | 6. Ownership Form: Direct (D) or Indirect (I) (Instr. 4) | 7. Nature of Ownership (Instr. 4) |
|---------------------------------|--------------------------------------|--|--------------------------------|---|--|--|-----------------------------------|
|---------------------------------|--------------------------------------|--|--------------------------------|---|--|--|-----------------------------------|

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

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SEC 2270 (9-02)

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

| 1. Title of Derivative | 2. Conversion | 3. Transaction Date (Month/Day/Year) | 3A. Deemed Execution Date, if any | 4. Transaction | 5. Number of Derivative | 6. Date Exercisable and Expiration Date | 7. Title and Amount of Underlying Securities |
|------------------------|---------------|--------------------------------------|-----------------------------------|----------------|-------------------------|---|--|
|------------------------|---------------|--------------------------------------|-----------------------------------|----------------|-------------------------|---|--|

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| Security (Instr. 3) | or Exercise Price of Derivative Security | any (Month/Day/Year) | Code (Instr. 8) | Securities Acquired (A) or Disposed of (D) (Instr. 3, 4, and 5) | (Month/Day/Year) | (Instr. 3 and 4) | (A) | (D) | Date Exercisable | Expiration Date | Title | Amount or Number of Shares |
|-----------------------------|--|----------------------|-----------------|---|------------------|------------------|-----|-----|------------------|-----------------|--------------|----------------------------|
| Stock Option (Right to Buy) | \$ 4.45 | 11/21/2011 | Â | A4 | 25,000 | Â | Â | (1) | 03/10/2018 | | Common Stock | 25,000 |

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 | Â | Â | Â VP, Clinical Research | Â |

Signatures

/s/ Daron Evans as Attorney-in-Fact for Hsiao D. Lieu pursuant to Power of Attorney previously filed. 02/14/2012

__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 03/10/08, the Reporting Person was granted an option to purchase up to 100,000 shares of common stock of the Issuer. Up to 1/4 of the shares subject to the option may vest annually based on the achievement of certain performance milestones as determined by the Compensation Committee of the Board of Directors (the Committee") of the Issuer. On 1/19/09, the Committee determined that options for the prorated period ending 12/31/08 would vest in the amount of 9,123 shares, with options to purchase 11,151 shares being forfeited. On 1/19/10, the Committee determined that options for the period ending 12/31/09 would vest in the amount of 12,500 shares, with options to purchase 12,500 shares being forfeited. On 12/17/10, the Committee determined that options for the period ending 12/31/10 would vest in the amount of 25,000 shares. On 11/21/11, the Committee determined that options for the period ending 12/31/11 would vest in the amount of 25,000 shares.

Note: File three copies of this Form, one of which must be manually signed. If space provided is insufficient, see Instruction 6 for procedure. Potential persons who are to respond to the collection of information contained in this form are not required to respond unless the form displays a currently valid OMB number.