FORM 5

UNITED STATES SECURITIES AND EXCHANGE COMMISSION

Washington, D.C. 20549

OMB APPROVAL								
OMB Number: 3235-036								
Estimated average burden								
hours per response:	1.0							

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

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 * Lieu Hsiao				Nile T	2. Issuer Name and Ticker or Trading Symbol Nile Therapeutics, Inc. [NLTX]					5. Relationship of Reporting Person(s) to Issuer (Check all applicable) Director 10% Owner						
(Last)	(First)	A)	1iddle)		Statement for Issuer's Fiscal Year Ended (Month/Day/Year) 12/31/2011					X	X Officer (give title below)			Other (specify below)		
C/O NILE THERAPEUTICS, INC.										VP, Clinical Research						
115 SANSOME STREET, SUITE #310				4. If Ame	4. If Amendment, Date of Original Filed (Month/Day/Year)					Individual or Joint/Group Filing (Check Applicable Line) X Form filed by One Reporting Person						
(Street)											^	Form filed	-			Person
SAN FRANCISCO	CA	9.	4104										<i>y</i>		, rioporum	, , , , , , ,
(City)	(State) (Z	ip)													
Table I - Non-Derivative Securities Acquired, Disposed of, or Beneficially Owned																
Date (Month/Day/Year)			Execution	2A. Deemed 3. Execution Date, if any Code (Ins					Securities		6. Owne Form: D		ct Indi	ature of		
			(мопилдау/теа	(Month/Day/Year)		8)	Amount		A) or Price		a F	Beneficially Owned at end of Issuer's Fiscal Year (Instr. 3 and 4)		(D) or Indirect (I) (Instr. 4)		Beneficial Ownership (Instr. 4)
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	ion Date ise (Month/Day/Year)	3A. Deemed Execution Date, if any (Month/Day/Year)	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 (Ins 3 and 4)		lying	8. Price of Derivative Security (Instr. 5)	Beneficially Owned Following		10. Ownership Form: Direct (D) or Indirect (I) (Instr. 4)	11. Nature of Indirect Beneficial Ownership (Instr. 4)
					(A)	(A) (D) E		Expiration Date	Title		Amount or Number of Shares		Reported Transact (Instr. 4)			
Stock Option (Right to Buy)	\$4.45	11/21/2011		4A	25,000		(1)	03/10/2018	Comm	on Stock	25,000	\$0	71,62	23	D	

Explanation of Responses:

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 12/31/11 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.

Remarks:

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

** 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.