Lapuerta Pablo Form 4 March 25, 2011

FORM 4

OMB APPROVAL

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

OMB 3235-0287 Number:

Check this box if no longer subject to Section 16. Form 4 or

January 31, Expires: 2005

Form 5 obligations STATEMENT OF CHANGES IN BENEFICIAL OWNERSHIP OF **SECURITIES**

Estimated average burden hours per response... 0.5

may continue. See Instruction

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(b).

(Print or Type Responses)

1. Name and Address of Reporting Person *

2. Issuer Name and Ticker or Trading

5. Relationship of Reporting Person(s) to

Lapuerta Pablo

Symbol

LEXICON PHARMACEUTICALS, INC./DE [LXRX]

(Check all applicable)

(Last)

(Middle)

3. Date of Earliest Transaction

Director 10% Owner X_ Officer (give title Other (specify

8800 TECHNOLOGY FOREST

(First)

(Street)

PLACE

03/23/2011

SVP, Clin Dev and CMO

4. If Amendment, Date Original

6. Individual or Joint/Group Filing(Check

Filed(Month/Day/Year)

(Month/Day/Year)

Applicable Line) _X_ Form filed by One Reporting Person Form filed by More than One Reporting

Issuer

below)

THE WOODLANDS, TX 77381

(State) (Zip) (City)

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

1. Title of Security (Instr. 3)

2. Transaction Date 2A. Deemed

3. 4. Securities (Month/Day/Year) Execution Date, if TransactionAcquired (A) or Code Disposed of (D) (Month/Day/Year) (Instr. 3, 4 and 5)

(Instr. 8)

5. Amount of Securities Beneficially Owned

6. Ownership 7. Nature of Form: Direct Indirect (D) or Indirect Beneficial Ownership

(Instr. 4)

(9-02)

(Instr. 4)

Following Reported

or Code V Amount (D) Price

Transaction(s) (Instr. 3 and 4)

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

Persons who respond to the collection of SEC 1474 information contained in this form are not required to respond unless the form displays a currently valid OMB control number.

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

1. Title of Derivative Conversion 3. Transaction Date 3A. Deemed

(Month/Day/Year) Execution Date, if

5. Number of TransactionDerivative

(A)

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) of Disposed of (E) (Instr. 3, 4, and 5)	or O)			(Instr. 3 and 4)	
				Code V	(A) (I	D) Date Exercisable	Expiration Date	Title	Amount or Number of Shares	
Stock Option (Right to Buy)	\$ 1.72	03/23/2011		A	200,000	<u>(1)</u>	03/23/2021	Common Stock	200,000	

Reporting Owners

Reporting Owner Name / Address Relationships

Director 10% Owner Officer Other

Lapuerta Pablo

8800 TECHNOLOGY FOREST PLACE SVP, Clin Dev and CMO

THE WOODLANDS, TX 77381

Signatures

/s/ Pablo 03/24/2011 Lapuerta, M.D.

**Signature of Reporting Date

Person

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) Option vests with respect to 25% of the shares subject to the option on the first anniversary of grant (3/23/2012) and vests 1/48th per month for each month of service therafter.

Note: File three copies of this Form, one of which must be manually signed. If space 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.

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