SEC Form 4	
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FORM 4

UNITED STATES SECURITIES AND EXCHANGE COMMISSION

Washington, D.C. 20549

Check this box if no longer subject to
Section 16. Form 4 or Form 5 obligations may continue. See
Instruction 1(b).

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

	OVAL
OMB Number:	3235-0287
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1. Name and Addres	ss of Reporting Perso <u>ULIA P</u>	n*	2. Issuer Name and Ticker or Trading Symbol <u>LEXICON GENETICS INC/TX</u> [LEXG]		tionship of Reporting Per all applicable) Director	10% Owner
				X	Officer (give title below)	Other (specify below)
(Last)	(First)	(Middle)	3. Date of Earliest Transaction (Month/Day/Year)		,	,
8800 TECHNOI	OGY FOREST P	LACE	12/28/2004		EVP, Corp Dev a	and CFO
(Street) THE			4. If Amendment, Date of Original Filed (Month/Day/Year)	6. Indiv Line)	g (Check Applicable	
	TX	773811160		X	Form filed by One Rep	orting Person
WOODLANDS					Form filed by More tha Person	n One Reporting
(City)	(State)	(Zip)				

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

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)		5)			5. Amount of Securities Beneficially Owned Following Reported	6. Ownership Form: Direct (D) or Indirect (I) (Instr. 4)	7. Nature of Indirect Beneficial Ownership (Instr. 4)			
			Code	v	Amount	(A) or (D)	Price	Transaction(s) (Instr. 3 and 4)					
Common Stock	12/29/2004		G		1,200	D	\$ <mark>0</mark>	61,200	D				
Common Stock	12/28/2004		S		200	D	\$7.55	6,447	I	By Family Trusts for Minor Children			
Common Stock	12/28/2004		S		400	D	\$7.57	6,047	I	By Family Trusts for Minor Children			
Common Stock	12/28/2004		S		1,100	D	\$7.6	4,947	I	By Family Trusts for Minor Children			
Common Stock	12/28/2004		S		700	D	\$7.61	4,247	I	By Family Trusts for Minor Children			
Common Stock	12/28/2004		S		300	D	\$7.62	3,947	I	By Family Trusts for Minor Children			
Common Stock	12/28/2004		S		200	D	\$7.63	3,747	I	By Family Trusts for Minor Children			
Common Stock	12/28/2004		S		100	D	\$7.64	3,647	I	By Family Trusts for Minor Children			

Table I - Non-Derivative Securities Acquired, Disposed of, or Beneficially Owned																			
1. Title of Security (Instr. 3)		Dat			Date			Date Execution Date, Transaction								nd Secur Bene Owne	ficially d Following	6. Ownership Form: Direct (D) or Indirect (I) (Instr. 4)	7. Nature of Indirect Beneficial Ownership
								Code	v	Amount		A) or D)	Price		action(s) 3 and 4)		(Instr. 4)		
Common Stock				2/29/2004		G	600	1,200		A	\$(4,847	I	By Family Trusts for Minor Children				
		18									sed of, o prvertib				/ Owned				
1. Title of Derivative Security (Instr. 3)	2. Conversion or Exercise Price of Derivative Security	3. Transaction Date (Month/Day/Year)	3A. Deem Execution if any (Month/Da	Date,	Date, Code (Instr. Deri 8) Sect Acq (A) c Disp of (C (Inst		tion of E		6. Date Exercisable Expiration Date (Month/Day/Year)		xpiration Date onth/Day/Year)		7. Title and Amount of Securities Underlying Derivative Security (Instr. and 4)		8. Price of Derivative Security (Instr. 5)	ative derivative ity Securities	Ownership Form: Direct (D) or Indirect (I) (Instr. 4)	11. Nature of Indirect Beneficial Ownership (Instr. 4)	
					Code	v	(A)		Date Exercisat		Expiration Date	Title	or Nur of	ount nber ires					

Explanation of Responses:

Remarks:

<u>/s/ Gregory, Julia P.</u>

12/29/2004 ** 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.