## LEXICON GENETICS INC/TX Form SC 13G/A January 07, 2004

UNITED STATES

SECURITIES AND EXCHANGE COMMISSION

Washington, D.C. 20549

SCHEDULE 13G/A

Under the Securities Exchange Act of 1934

Lexicon Genetics Incorporated

(Name of Issuer)

Common

(Title of Class of Securities)

528872 10 4

(CUSIP Number)

Check the appropriate box to designate the rule pursuant to which this Schedule is filed:

- [ ] Rule 13d-1(b)
- [ ] Rule 13d-1(c)
- [XX] Rule 13d-1(d)

\*The remainder of this cover page shall be filled out for a reporting person's initial filing on this form with respect to the subject class of securities, and for any subsequent amendment containing information which would alter the disclosures provided in a prior cover page.

The information required in the remainder of this cover page shall not be deemed to be "filed" for the purpose of Section 18 of the Securities Exchange Act of 1934 ("Act") or otherwise subject to the liabilities of that section of the Act but shall be subject to all other provisions of the Act (however, see the Notes).

	NAME OF REPORTING PERSON S.S. OR I.R.S. IDENTIFICATION NO. OF ABOVE PERSON		
BCM Technol	logies, Inc. 76-0112935		
2. CHECK THE A	APPROPRIATE BOX IF A MEMBER OF A GROUP* (a) (b)		
3. SEC USE ONL	LY		
4. CITIZENSHIP	P OR PLACE OF ORGANIZATION		
Delaware			
NUMBER OF	5. SOLE VOTING POWER		
SHARES	28,940		
BENEFICIALLY	6. SHARED VOTING POWER		
OWNED BY			
EACH	7. SOLE DISPOSITIVE POWER		
REPORTING			
PERSON	8. SHARED DISPOSITIVE POWER		
WITH			
9. AGGREGATE A	AMOUNT BENEFICIALLY OWNED BY EACH REPORTING PE	RSON	
10. CHECK BOX I	IF THE AGGREGATE AMOUNT IN ROW (9) EXCLUDES CEI	RTAIN SHARES*	
11. PERCENT OF	CLASS REPRESENTED BY AMOUNT IN ROW 9		
12. TYPE OF REP	PORTING PERSON*		
CO			
CUSIP No. 528	8872 10 4	Page 3 of 6	

1. NAME OF REPORTING PERSON

S.S. OR I.R.S. IDENTIFICATION NO. OF ABOVE PERSON

Baylor College of Medicine 74-1613878

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2. CHECK THE	APPROPRIATE BOX IF A MEMBER OF A GROUP*  (a) [ ]  (b) [ ]
3. SEC USE O	NLY
4. CITIZENSH	IP OR PLACE OF ORGANIZATION
NUMBER OF	5. SOLE VOTING POWER
SHARES	   4,055,960
BENEFICIALLY	   6. SHARED VOTING POWER
OWNED BY	
EACH	7. SOLE DISPOSITIVE POWER
REPORTING	   [X]
PERSON	8. SHARED DISPOSITIVE POWER
WITH	
Baylor Co	AMOUNT BENEFICIALLY OWNED BY EACH REPORTING PERSON  llege of Medicine 4,027,020 *BCM Technologies 28,940  IF THE AGGREGATE AMOUNT IN ROW (9) EXCLUDES CERTAIN SHARES*
11. PERCENT O	F CLASS REPRESENTED BY AMOUNT IN ROW 9
 12. TYPE OF R	EPORTING PERSON*
Internal	Revenue Code 501 (c) (3) CO
* BCM Tec	hnologies, Inc. is wholly owned by Baylor College of Medicine
Item 1(a)	Page 4 of 6 Name of Issuer:
	Lexicon Genetics Incorporated
Item 1(b)	Address of Issuer's Principal Executive Offices:

4000 Research Forest Drive

		The Woodlands, TX 77381
Item	2(a)	Name of Person Filing:
		Baylor College of Medicine & BCM Technologies, Inc.
Item	2 (b)	Address of Principal Business Office:
		One Baylor Plaza, T-128 Houston, TX 77030-3498
Item	2(c)	Citizenship:
		USA
Item	2 (d)	Title of Class of Securities:
		Common
Item	2(e)	CUSIP Number:
		528872 10 4
Item	3.	If this statement is filed pursuant to Rules $13d-1(b)$ , or $13d-2(b)$ , check whether the person filing is a:
	(a) ( (b) ( (c) ( (d) ( (e) ( (f) ( (g) ( (h) (	<ul> <li>Broker or Dealer registered under Section 15 of the Act</li> <li>Bank as defined in Section 3(a)(6) of the Act</li> <li>Insurance Company as defined in Section 3(a)(19) of the Act</li> <li>Investment Company registered under Section 8 of the Investment Company Act</li> <li>Investment Adviser registered under Section 203 of the Investment Advisers Act of 1940</li> <li>Employee Benefit Plan, Pension Fund which is subject to the provisions of the Employee Retirement Income Security Act of 1974 or Endowment Fund; see (Section 240.13d-1(b)(1)(ii)(F)</li> <li>Parent Holding Company, in accordance with Section 240.13d-1(b)(ii)(G)</li> <li>Group, in accordance with Section 240.13d-1(b)(1)(ii)(H)</li> </ul>

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#### Item 4 Ownership

If the percent of the class owned, as of December 31, of the year covered by the statement, or as of the last day of any month described in Rule 13d-1(b)(2), if applicable, exceeds five percent, provide the following information as of that date and identify those shares which there is a right to acquire.

(a) Amount beneficially owned: Baylor College
4,055,960 of Medicine 4,027,020
BCM Technologies 28.940 BCM Technologies 28,940

(b) Percent of class:

6.5% (c) Number of shares as to which such person has: (i) sole power to vote or to direct the vote: (ii) shared power to vote or to direct the (iii) sole power to dispose or to direct the disposition of: (iv) shared power to dispose or to direct the disposition of: Item 5 Ownership of Five Percent or Less of a Class: If this statement is being filed to report the fact that as of the date thereof the reporting person has ceased to be the beneficial owner of more than five percent of the class of securities, check the following ( ). Ownership of More than Five Percent on Behalf of Another Item 6 Person: Identification and Classification of the Subsidiary Which Ttem 7 Acquired the Security Being Reported on by the Parent Holding Company: \_\_\_\_\_ Identification and Classification of Members of the Group: \_\_\_\_\_\_ Notice of Dissolution of Group: \_\_\_\_\_

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#### SIGNATURE

After reasonable inquiry and to the best of my knowledge and belief,  ${\tt I}$  certify that the information set forth in this statement is true, complete, and correct.

Dated: Baylor College of Medicine

Item 10 Certification:

By: /s/ WILLIAM D. WALKER

----William D. Walker