### **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)

[ ] 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 PER S.S. OR I.R.S. IDENTIFICATION		SON
BCM Technologies, Inc.	76-0112935	
2. CHECK THE APPROPRIATE	BOX IF A MEMBER OF A (a) [] (b) []	 A GROUP*
3. SEC USE ONLY		
4. CITIZENSHIP OR PLACE OF	ORGANIZATION	
Delaware		
NUMBER OF   5. SOLE VO		<del></del>
   SHARES   28,940		
BENEFICIALLY   6. SHARED		
OWNED BY		
EACH   7. SOLE DISPO		
REPORTING   [X]		
PERSON   8. SHARED D	DISPOSITIVE POWER	
WITH		
9. AGGREGATE AMOUNT BEN	IEFICIALLY OWNED BY E	
10. CHECK BOX IF THE AGGRE		 / (9) EXCLUDES CERTAIN SHARES*
11. PERCENT OF CLASS REPR		
12. TYPE OF REPORTING PER		
со		

1. NAME OF REPORTING PERSON

S.S. OR I.R.S. IDENTIFICATION NO. OF ABOVE PERSON
Baylor College of Medicine 74-1613878
2. CHECK THE APPROPRIATE BOX IF A MEMBER OF A GROUP*  (a) []  (b) []
3. SEC USE ONLY
4. CITIZENSHIP OR PLACE OF ORGANIZATION
Texas
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
9. AGGREGATE AMOUNT BENEFICIALLY OWNED BY EACH REPORTING PERSON
Baylor College of Medicine 4,027,020 *BCM Technologies 28,940
10. CHECK BOX IF THE AGGREGATE AMOUNT IN ROW (9) EXCLUDES CERTAIN SHARES:
11. PERCENT OF CLASS REPRESENTED BY AMOUNT IN ROW 9
12. TYPE OF REPORTING PERSON*
Internal Revenue Code 501 (c) (3) CO

<sup>\*</sup> BCM Technologies, Inc. is wholly owned by Baylor College of Medicine

Item 1(a)	Name of Issuer:			
	con Genetics Incorporated			
	Address of Issuer's Principal Executive Offices:			
The	D Research Forest Drive Woodlands, TX 77381			
	Name of Person Filing:			
Baylor College of Medicine & BCM Technologies, Inc.				
	Address of Principal Business Office:			
Hou	Baylor Plaza, T-140 ston, TX 77030-3498			
Item 2(c)				
USA	\			
Item 2(d)	Fitle of Class of Securities:			
	nmon			
	CUSIP Number:			
	872 10 4			
Item 3.	If this statement is filed pursuant to Rules 13d-1(b), or -2(b), check whether the person filing is a:			
(b)( )   (c)( )   (d)( )   Ir (e)( )   (f)( ) E th A 2 (g)( )	Broker or Dealer registered under Section 15 of the Act Bank as defined in Section 3(a)(6) of the Act Insurance Company as defined in Section 3(a)(19) of the Act Investment Company registered under Section 8 of the Investment Company Act Investment Adviser registered under Section 203 of the Investment Advisers Act of 1940 Insurance Benefit Plan, Pension Fund which is subject to the provisions of the Employee Retirement Income Security act of 1974 or Endowment Fund; see (Section 40.13d-1(b)(1)(ii)(F)  Parent Holding Company, in accordance with Section 40.13d-1(b)(ii)(G)  Group, in accordance with Section 240.13d-1(b)(1)(ii)(H)			

#### 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
- (b) Percent of class:

6.4%

Item 10 Certification:

- (c) Number of shares as to which such person has:
  - (i) sole power to vote or to direct the vote:

    [XX]
  - (ii) shared power to vote or to direct the vote:
  - (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 ().

Item 6 Ownership of More than Five Percent on Behalf of Another Person:

Item 7 Identification and Classification of the Subsidiary Which Acquired the Security Being Reported on by the Parent Holding Company:

Item 8 Identification and Classification of Members of the Group:

Item 9 Notice of Dissolution of Group:

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# SIGNATURE

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

Dated: January 6, 2005 Baylor College of Medicine

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By: /s/ WILLIAM D. WALKER

William D. Walker