### LEXICON GENETICS INC/TX Form SC 13G/A January 06, 2005

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).

CUSIP No. 528872 10 4

Page 2 of 6

1. NAME OF REPORTING PERSON S.S. OR I.R.S. IDENTIFICATION NO. OF ABOVE PERSON

BCM Technologies, Inc. 76-0112935

2. CHECK THE AP	PROPRIATE BOX IF A MEMBER OF A GROUP*  (a) [ ]  (b) [ ]
3. SEC USE ONLY	
4. CITIZENSHIP	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	[X]
PERSON	8. SHARED DISPOSITIVE POWER
WITH	
	OUNT BENEFICIALLY OWNED BY EACH REPORTING PERSON  THE AGGREGATE AMOUNT IN ROW (9) EXCLUDES CERTAIN SHARES*
11. PERCENT OF C	LASS REPRESENTED BY AMOUNT IN ROW 9
12. TYPE OF REPO	RTING PERSON*
CO	
CUSIP No. 5288	72 10 4 Page 3 of 6
1. NAME OF REPO S.S. OR I.R.	RTING PERSON S. IDENTIFICATION NO. OF ABOVE PERSON
Baylor Colle	ge of Medicine 74-1613878
2. CHECK THE AP	PROPRIATE BOX IF A MEMBER OF A GROUP*  (a) [ ]  (b) [ ]
3 SEC HGE ONLY	

Texas	
NUMBER OF	5. SOLE VOTING POWER
SHARES	4,055,960
BENEFICIALLY	Y   6. SHARED VOTING POWER
OWNED BY	
EACH	7. SOLE DISPOSITIVE POWER
REPORTING	[X]
PERSON	8. SHARED DISPOSITIVE POWER
WITH	
9. AGGREGATI	E AMOUNT BENEFICIALLY OWNED BY EACH REPORTING PERSON
Baylor Co	ollege of Medicine 4,027,020 *BCM Technologies 28,940
10. CHECK BOX	X IF THE AGGREGATE AMOUNT IN ROW (9) EXCLUDES CERTAIN SHARES*
 11. PERCENT (	DF CLASS REPRESENTED BY AMOUNT IN ROW 9
 12. TYPE OF F	REPORTING PERSON*
Internal	Revenue Code 501 (c) (3) CO
* BCM Tec	chnologies, Inc. is wholly owned by Baylor College of Medicine
Item 1(a)	Page 4 of 6 Name of Issuer:
Item 1(a)	-
	Name of Issuer:  Lexicon Genetics Incorporated
	Name of Issuer:  Lexicon Genetics Incorporated  Address of Issuer's Principal Executive Offices:  4000 Research Forest Drive The Woodlands, TX 77381
Item 1(b)	Name of Issuer:  Lexicon Genetics Incorporated  Address of Issuer's Principal Executive Offices:  4000 Research Forest Drive
Item 1(b)	Name of Issuer:  Lexicon Genetics Incorporated  Address of Issuer's Principal Executive Offices:  4000 Research Forest Drive The Woodlands, TX 77381
Item 1(b)	Name of Issuer:  Lexicon Genetics Incorporated  Address of Issuer's Principal Executive Offices:  4000 Research Forest Drive The Woodlands, TX 77381  Name of Person Filing:
Item 1(b)	Name of Issuer:  Lexicon Genetics Incorporated  Address of Issuer's Principal Executive Offices:  4000 Research Forest Drive The Woodlands, TX 77381  Name of Person Filing:  Baylor College of Medicine & BCM Technologies, Inc.  Address of Principal Business Office:  One Baylor Plaza, T-140 Houston, TX 77030-3498
Item 1(b)  Item 2(a)  Item 2(b)	Name of Issuer:  Lexicon Genetics Incorporated  Address of Issuer's Principal Executive Offices:  4000 Research Forest Drive The Woodlands, TX 77381  Name of Person Filing:  Baylor College of Medicine & BCM Technologies, Inc.  Address of Principal Business Office:  One Baylor Plaza, T-140
Item 1(a)  Item 1(b)  Item 2(a)  Item 2(b)	Name of Issuer:  Lexicon Genetics Incorporated  Address of Issuer's Principal Executive Offices:  4000 Research Forest Drive The Woodlands, TX 77381  Name of Person Filing:  Baylor College of Medicine & BCM Technologies, Inc.  Address of Principal Business Office:  One Baylor Plaza, T-140 Houston, TX 77030-3498

	Item 2(d)		Title of Class of Securities:				
		Common					
Item 2(	e)	CUSIP Number:					
		52887	2 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	roker or Dealer registered	d under Section 15 of the Act			
	(b) (	) B	ank as defined in Section	3(a)(6) of the Act			
	(C) (			ed in Section 3(a)(19) of the Act			
	(d) (		nvestment Company register nvestment Company Act	red under Section 8 of the			
	(e) (	-	nvestment Adviser registen nvestment Advisers Act of	red under Section 203 of the 1940			
	(f)(	t! A		sion Fund which is subject to oyee Retirement Income Security und; see (Section			
	(g) (		arent Holding Company, in 40.13d-1(b)(ii)(G)	accordance with Section			
	(h) (			Section 240.13d-1(b)(1)(ii)(H)			
				Page 5 of 6			
 Item 4		Owner	ship	Page 5 of 6			
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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:
Item	10	Certification:

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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

By: /s/ WILLIAM D. WALKER

William D. Walker