

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

**FORM 8-K**

**CURRENT REPORT**

Pursuant to Section 13 or 15(d) of the Securities Exchange Act of 1934

Date of Report (Date of earliest event reported): April 29, 2008

**Lexicon Pharmaceuticals, Inc.**

(Exact name of registrant as specified in its charter)

**Delaware**  
(State or other jurisdiction of  
incorporation or organization)

**000-30111**  
(Commission File Number)

**76-0474169**  
(I.R.S. Employer  
Identification Number)

**8800 Technology Forest Place**  
**The Woodlands, Texas 77381**  
(Address of principal executive  
offices and Zip Code)

**(281) 863-3000**  
(Registrant's telephone number,  
including area code)

Check the appropriate box below if the Form 8-K filing is intended to simultaneously satisfy the filing obligations of the registrant under any of the following provisions:

- Written communications pursuant to Rule 425 under the Securities Act (17 CFR 230.425)
- Soliciting material pursuant to Rule 14a-12 under the Exchange Act (17 CFR 240.14a-12)
- Pre-commencement communications pursuant to Rule 14d-2(b) under the Exchange Act (17 CFR 240.14d-2(b))
- Pre-commencement communications pursuant to Rule 13e-4(c) under the Exchange Act (17 CFR 240.13e-4(c))

**Item 5.02 Departure of Directors or Certain Officers; Election of Directors; Appointment of Certain Officers; Compensatory Arrangements of Certain Officers**

(b) On April 29, 2008, the employment of Julia P. Gregory, our executive vice president and chief financial officer, was terminated. In such capacity, Ms. Gregory had performed the functions of our principal financial officer and principal accounting officer.

(c) On April 29, 2008, James F. Tessmer assumed the functions of our principal financial officer and principal accounting officer. Mr. Tessmer, 48, has been our vice president, finance and accounting since November 2007 and previously served as our senior director of finance from February 2004 to November 2007 and director of finance from April 2001 to February 2004. Mr. Tessmer is a certified public accountant and received his B.B.A. from the University of Wisconsin – Milwaukee and his M.B.A. from the University of Houston.

## Signatures

Pursuant to the requirements of the Securities Exchange Act of 1934, the registrant has duly caused this report to be signed on its behalf by the undersigned thereunto duly authorized.

### **Lexicon Pharmaceuticals, Inc.**

Date: April 29, 2008

By: /s/ Jeffrey L. Wade  
Jeffrey L. Wade  
*Executive Vice President and  
General Counsel*