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

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**FORM 8-K**

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**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, 2010

**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))
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**Item 5.07 Submission of Matters to a Vote of Security Holders**

Our annual meeting of stockholders was held on April 29, 2010 to consider and vote on the following proposals. The votes cast for, against or withheld, as well as the number of abstentions and broker non-votes, with respect to each matter are set forth below:

(1) Election of Class I Directors:

<u>Name of Director</u>	<u>For</u>	<u>Withheld</u>	<u>Broker Non-Votes</u>
Raymond Debbane	105,967,853	23,626,011	21,740,115
Robert J. Lefkowitz, M.D.	114,124,531	15,469,333	21,740,115
Alan S. Nies, M.D.	114,123,178	15,470,686	21,740,115

	<u>For</u>	<u>Against</u>	<u>Abstain</u>	<u>Broker Non-Votes</u>
(2) Ratification and approval of the appointment of Ernst & Young LLP as our independent auditors for the fiscal year ending December 31, 2010	150,312,498	992,120	29,361	—

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## 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, 2010

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