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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): March 3, 2010 (February 25, 2010)**

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**ACADIA PHARMACEUTICALS INC.**

**(Exact Name of Registrant as Specified in Charter)**

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**DELAWARE**  
(State or Other Jurisdiction  
of Incorporation)

**000-50768**  
(Commission File Number)

**06-1376651**  
(I.R.S. Employer  
Identification No.)

**3911 SORRENTO VALLEY BOULEVARD  
SAN DIEGO, CALIFORNIA**  
(Address of Principal Executive Offices)

**92121**  
(Zip Code)

**(858) 558-2871**  
(Registrant's telephone number, including area code)

**N/A**  
(Former name or former address, if changed since last report)

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Check the appropriate box below if the Form 8-K is intended to simultaneously satisfy the filing obligation 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 5.02. Departure of Directors or Certain Officers; Election of Directors, Appointment of Certain Officers; Compensatory Arrangements of Certain Officers.**

On February 25, 2010, Dr. Alan Walton notified ACADIA that he would be resigning from the Board of Directors, including his positions on the Compensation and the Nominating and Corporate Governance Committees. Dr. Walton's resignation will be effective as of April 30, 2010. Dr. Walton's resignation is not the result of any disagreement with the Company or any matter relating to the Company's operations, policies or practices.

**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 hereunto duly authorized.

ACADIA Pharmaceuticals Inc.

By: \_\_\_\_\_ /s/ THOMAS H. AASEN

**Thomas H. Aasen**  
**Vice President, Chief Financial Officer, Treasurer,**  
**and Secretary**

Date: March 3, 2010