

Iversen Leslie L  
Form 4  
August 25, 2008

**FORM 4**

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

OMB APPROVAL

OMB Number: 3235-0287  
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Check this box if no longer subject to Section 16. Form 4 or Form 5 obligations may continue. See Instruction 1(b).

**STATEMENT OF CHANGES IN BENEFICIAL OWNERSHIP OF SECURITIES**

Filed pursuant to Section 16(a) of the Securities Exchange Act of 1934, Section 17(a) of the Public Utility Holding Company Act of 1935 or Section 30(h) of the Investment Company Act of 1940

(Print or Type Responses)

1. Name and Address of Reporting Person \*  
Iversen Leslie L

2. Issuer Name and Ticker or Trading Symbol  
ACADIA PHARMACEUTICALS INC [ACAD]

5. Relationship of Reporting Person(s) to Issuer

(Check all applicable)

(Last) (First) (Middle)

3. Date of Earliest Transaction (Month/Day/Year)  
08/21/2008

Director  10% Owner  
 Officer (give title below)  Other (specify below)

C/O ACADIA PHARMACEUTICALS INC., 3911 SORRENTO VALLEY BOULEVARD

(Street)

4. If Amendment, Date Original Filed(Month/Day/Year)

6. Individual or Joint/Group Filing(Check Applicable Line)

Form filed by One Reporting Person  
 Form filed by More than One Reporting Person

SAN DIEGO, CA 92121

(City) (State) (Zip)

**Table I - Non-Derivative Securities Acquired, Disposed of, or Beneficially Owned**

| 1. Title of Security (Instr. 3) | 2. Transaction Date (Month/Day/Year) | 2A. Deemed Execution Date, if any (Month/Day/Year) | 3. Transaction Code (Instr. 8) | 4. Securities Acquired (A) or Disposed of (D) (Instr. 3, 4 and 5) | 5. Amount of Securities Beneficially Owned Following Reported Transaction(s) (Instr. 3 and 4) | 6. Ownership Form: Direct (D) or Indirect (I) (Instr. 4) | 7. Nature of Ownership (Instr. 4) |
|---------------------------------|--------------------------------------|----------------------------------------------------|--------------------------------|-------------------------------------------------------------------|-----------------------------------------------------------------------------------------------|----------------------------------------------------------|-----------------------------------|
|                                 |                                      |                                                    | Code                           | V Amount (D) Price                                                |                                                                                               |                                                          |                                   |
| Common Stock                    | 08/21/2008                           |                                                    | M                              | 1,000 A \$ 0                                                      | 5,000                                                                                         | D                                                        |                                   |
| Common Stock                    | 08/21/2008                           |                                                    | M                              | 1,000 A \$ 0                                                      | 6,000                                                                                         | D                                                        |                                   |

Reminder: Report on a separate line for each class of securities beneficially owned directly or indirectly.

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SEC 1474 (9-02)

number.

**Table II - Derivative Securities Acquired, Disposed of, or Beneficially Owned**  
(e.g., puts, calls, warrants, options, convertible securities)

| 1. Title of Derivative Security (Instr. 3) | 2. Conversion or Exercise Price of Derivative Security | 3. Transaction Date (Month/Day/Year) | 3A. Deemed Execution Date, if any (Month/Day/Year) | 4. Transaction Code (Instr. 8) | 5. Number of Derivative Securities (A) or Disposed of (D) (Instr. 3, 4, and 5) | 6. Date Exercisable and Expiration Date (Month/Day/Year) | 7. Title and Amount of Underlying Securities (Instr. 3 and 4) | 8. Amount or Number of Shares |
|--------------------------------------------|--------------------------------------------------------|--------------------------------------|----------------------------------------------------|--------------------------------|--------------------------------------------------------------------------------|----------------------------------------------------------|---------------------------------------------------------------|-------------------------------|
| Stock option (right to buy)                | \$ 1.8                                                 | 08/21/2008                           |                                                    | M                              | 1,000                                                                          | 03/01/2000 03/01/2009                                    | Common Stock                                                  | 1,000                         |
| Stock option (right to buy)                | \$ 1.8                                                 | 08/21/2008                           |                                                    | M                              | 1,000                                                                          | 03/06/2001 03/05/2010                                    | Common Stock                                                  | 1,000                         |

## Reporting Owners

**Reporting Owner Name / Address**

**Relationships**

Director 10% Owner Officer Other

Iversen Leslie L  
C/O ACADIA PHARMACEUTICALS INC.  
3911 SORRENTO VALLEY BOULEVARD  
SAN DIEGO, CA 92121

X

## Signatures

/s/ Thomas H. Aasen,  
Attorney-in-fact

08/25/2008

\*\*Signature of Reporting Person

Date

## Explanation of Responses:

\* If the form is filed by more than one reporting person, see Instruction 4(b)(v).

\*\* Intentional misstatements or omissions of facts constitute Federal Criminal Violations. See 18 U.S.C. 1001 and 15 U.S.C. 78ff(a).

Note: File three copies of this Form, one of which must be manually signed. If space is insufficient, see Instruction 6 for procedure.

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