Mills Roger Form 4 March 16, 2010

FORM 4

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

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 * Mills Roger

(Last)

(City)

1. Title of

Security

(Instr. 3)

(First) (Middle)

3911 SORRENTO VALLEY **BOULEVARD**

(Street)

(State)

SAN DIEGO, CA 92121

2. Transaction Date 2A. Deemed

(Zip)

2. Issuer Name and Ticker or Trading

Symbol

ACADIA PHARMACEUTICALS INC [ACAD]

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

03/12/2010

4. If Amendment, Date Original

Filed(Month/Day/Year)

X Form filed by One Reporting Person

Table I - Non-Derivative Securities Acquired, Disposed of, or Beneficially Owned 3. 4. Securities (Month/Day/Year) Execution Date, if TransactionAcquired (A) or

Code Disposed of (D) (Instr. 8)

(Instr. 3, 4 and 5)

(A)

or

Reported Transaction(s)

Following

5. Amount of

Securities

Owned

Beneficially

Issuer

below)

Director

Applicable Line)

X_ Officer (give title

(Instr. 3 and 4) Code V Amount (D) Price

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

(Month/Day/Year)

Persons who respond to the collection of information contained in this form are not required to respond unless the form displays a currently valid OMB control number.

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

3. Transaction Date 3A. Deemed 1. Title of (Month/Day/Year) Execution Date, if Derivative Conversion

5. Number of TransactionDerivative

6. Date Exercisable and **Expiration Date**

7. Title and Amount of Underlying

OMB APPROVAL

3235-0287

January 31,

2005

0.5

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Number:

Expires:

response...

5. Relationship of Reporting Person(s) to

(Check all applicable)

Executive VP, Development

6. Individual or Joint/Group Filing(Check

Form filed by More than One Reporting

6. Ownership

Form: Direct

(I)

(Instr. 4)

below)

10% Owner

Other (specify

7. Nature of

Ownership

(Instr. 4)

SEC 1474

(9-02)

Indirect

(D) or Indirect Beneficial

Estimated average

burden hours per

1

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| Security (Instr. 3) | or Exercise Price of Derivative Security | | any (Month/Day/Year) | Code (Instr. 8) | Securities Acquired (A) or Disposed of (D) (Instr. 3, 4, and 5) | | | | Securities (Instr. 3 and 4) | | , | |
|-----------------------------|--|------------|-------------------------|-----------------|---|-----|---------------------|--------------------|-----------------------------|----------------------------------|---|--|
| | | | | Code V | (A) | (D) | Date Exercisable | Expiration Date | Title | Amount or Number of Shares | | |
| Stock Option (right to buy) | \$ 1.55 | 03/12/2010 | | A | 200,000 | | <u>(1)</u> | 03/11/2020 | Comon Stock | 200,000 | | |

Reporting Owners

Reporting Owner Name / Address Relationships

Director 10% Owner Officer Other

Mills Roger 3911 SORRENTO VALLEY BOULEVARD SAN DIEGO, CA 92121

Executive VP, Development

Signatures

/s/ Uli Hacksell, attorney-in-fact 03/16/2010

**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).
- (1) 25% of the shares subject to the Stock Option vest and become exercisable on March 12, 2011. The remaining shares vest and become exercisable thereafter in 36 equal monthly installments.

Note: File three copies of this Form, one of which must be manually signed. If space is insufficient, *see* Instruction 6 for procedure. Potential persons who are to respond to the collection of information contained in this form are not required to respond unless the form displays a currently valid OMB number.

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