SEC Form 4	
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### 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

Filed pursuant to Section 16(a) of the Securities Exchange Act of 1934 or Section 30(h) of the Investment Company Act of 1940 OMB APPROVAL
OMB Number: 3235-0287
Estimated average burden
hours per response: 0.5

1. Name and Address of Reporting Person <sup>*</sup> Lundstrom Brian			2. Issuer Name and Ticker or Trading Symbol <u>ACADIA PHARMACEUTICALS INC</u> [ ACAD ]		ionship of Reporting Persc all applicable) Director Officer (give title below)	on(s) to Issuer 10% Owner Other (specify below)	
(Last) (First) (Middle) 3911 SORRENTO VALLEY BOULEVARD			3. Date of Earliest Transaction (Month/Day/Year) 09/12/2007		Sr. VP, Bus. Devt.		
(Street) SAN DIEGO	СА	92121	4. If Amendment, Date of Original Filed (Month/Day/Year)	6. Indivi Line) X	dual or Joint/Group Filing ( Form filed by One Repor Form filed by More than (	ting Person	
(City)	(State)	(Zip)			Person	g	

#### 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)						5. Amount of Securities Beneficially Owned Following Reported	6. Ownership Form: Direct (D) or Indirect (I) (Instr. 4)	7. Nature of Indirect Beneficial Ownership (Instr. 4)
			Code	v	Amount	(A) or (D)	Price	Transaction(s) (Instr. 3 and 4)		(1150.4)
Common Stock	09/12/2007		<b>M</b> <sup>(1)</sup>		5,100	A	\$6.61	5,100	D	
Common Stock	09/12/2007		<b>S</b> <sup>(1)</sup>		4,300	D	\$16	800	D	
Common Stock	09/12/2007		<b>S</b> <sup>(1)</sup>		100	D	\$16.02	700	D	
Common Stock	09/12/2007		<b>S</b> <sup>(1)</sup>		700	D	\$16.03	0	D	

## 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. Transa Code ( 8)		5. Number of Derivative Securities Acquired (A) or Disposed of (D) (Instr. 3, 4 and 5)		7. Title and Amount of Securities Underlying Derivative Security (Instr. 3 and 4)		8. Price of Derivative Security (Instr. 5)	9. Number of derivative Securities Beneficially Owned Following Reported Transaction(s) (Instr. 4)	10. Ownership Form: Direct (D) or Indirect (I) (Instr. 4)	11. Nature of Indirect Beneficial Ownership (Instr. 4)		
				Code	v	(A)	(D)	Date Exercisable	Expiration Date	Title	Amount or Number of Shares				
Stock Option (Right to Buy)	\$6.61	09/12/2007		М			5,100	(2)	11/23/2014	Common Stock	5,100	\$0	78,918	D	

Explanation of Responses:

1. The transactions reported in this Form 4 were made pursuant to an automatic sales plan under Rule 10b5-1 of the Securities Exchange Act of 1934, as amended. The plan provides for the non-discretionary periodic sales of stock (and corresponding exercises of options, if needed) pursuant to predetermined trading parameters that do not permit Mr. Lundstrom to exercise any influence over how, when or whether to effect trades under the plan after its adoption.

2. 25% of the shares subject to the Stock Option vested and became exercisable on November 24, 2005. The remaining shares vest and become exercisable thereafter in 36 equal monthly installments.

<u>Thomas H. Aasen, Attorney-in-</u> <u>Fact</u>	<u>09/14/2007</u>
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\*\* Signature of Reporting Person Date

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

 $\ast$  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.

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 Number.