

## STATEMENT OF CHANGES IN BENEFICIAL OWNERSHIP

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

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* <b>BAKER FELIX</b>			2. Issuer Name and Ticker or Trading Symbol <b>ACADIA PHARMACEUTICALS INC [ ACAD ]</b>			5. Relationship of Reporting Person(s) to Issuer (Check all applicable) <input checked="" type="checkbox"/> Director <input checked="" type="checkbox"/> 10% Owner Officer (give title below) Other (specify below)			
(Last)	(First)	(Middle)	3. Date of Earliest Transaction (Month/Day/Year) <b>06/03/2013</b>			6. Individual or Joint/Group Filing (Check Applicable Line) <input checked="" type="checkbox"/> Form filed by One Reporting Person <input checked="" type="checkbox"/> Form filed by More than One Reporting Person			
667 MADISON AVENUE, 21ST FLOOR			4. If Amendment, Date of Original Filed (Month/Day/Year)						
(Street)	(City)	(State)	(Zip)						
NEW YORK	NY	US	10065						

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 Indirect Beneficial Ownership (Instr. 4)
			Code	V	Amount	(A) or (D)	Price			
Common Stock	06/03/2013		P		56,274	A	\$14.0822 <sup>(2)</sup>	1,320,595	I	See Footnote <sup>(1)</sup> (31)(32)
Common Stock	06/03/2013		P		461,548	A	\$14.0822 <sup>(4)</sup>	16,422,130	I	See Footnote <sup>(3)</sup> (31)(32)
Common Stock	06/03/2013		P		11,511	A	\$14.0822 <sup>(6)</sup>	401,420	I	See Footnote <sup>(5)</sup> (31)(32)
Common Stock	06/03/2013		P		25,368	A	\$13.999 <sup>(7)</sup>	1,345,963	I	See Footnote <sup>(1)</sup> (31)(32)
Common Stock	06/03/2013		P		208,063	A	\$13.999 <sup>(8)</sup>	16,630,193	I	See Footnote <sup>(3)</sup> (31)(32)
Common Stock	06/03/2013		P		5,189	A	\$13.999 <sup>(9)</sup>	406,609	I	See Footnote <sup>(5)</sup> (31)(32)
Common Stock	06/04/2013		P		4,353	A	\$14.4977 <sup>(10)</sup>	1,350,316	I	See Footnote <sup>(1)</sup> (31)(32)
Common Stock	06/04/2013		P		35,702	A	\$14.4977 <sup>(11)</sup>	16,665,895	I	See Footnote <sup>(3)</sup> (31)(32)
Common Stock	06/04/2013		P		890	A	\$14.4977 <sup>(12)</sup>	407,499	I	See Footnote <sup>(5)</sup> (31)(32)
Common Stock	06/04/2013		P		56,475	A	\$14.4525 <sup>(13)</sup>	1,406,791	I	See Footnote <sup>(1)</sup> (31)(32)
Common Stock	06/04/2013		P		463,197	A	\$14.4525 <sup>(14)</sup>	17,129,092	I	See Footnote <sup>(3)</sup> (31)(32)
Common Stock	06/04/2013		P		11,552	A	\$14.4525 <sup>(15)</sup>	419,051	I	See Footnote <sup>(5)</sup> (31)(32)
Common Stock	06/04/2013		P		13,566	A	\$14.4159 <sup>(16)</sup>	1,420,357	I	See Footnote <sup>(1)</sup> (31)(32)
Common Stock	06/04/2013		P		111,266	A	\$14.4159 <sup>(17)</sup>	17,240,358	I	See Footnote <sup>(3)</sup> (31)(32)
Common Stock	06/04/2013		P		2,775	A	\$14.4159 <sup>(18)</sup>	421,826	I	See Footnote <sup>(5)</sup> (31)(32)
Common Stoc	06/05/2013		P		26,577	A	\$14.4565 <sup>(19)</sup>	1,446,934	I	See Footnote <sup>(1)</sup> (31)(32)
Common Stoc	06/05/2013		P		217,986	A	\$14.4565 <sup>(20)</sup>	17,458,344	I	See Footnote <sup>(3)</sup> (31)(32)
Common Stoc	06/05/2013		P		5,437	A	\$14.4565 <sup>(21)</sup>	427,263	I	See Footnote <sup>(5)</sup> (31)(32)
Common Stoc	06/05/2013		P		21,080	A	\$14.5838 <sup>(22)</sup>	1,468,014	I	See Footnote <sup>(1)</sup> (31)(32)
Common Stoc	06/05/2013		P		172,893	A	\$14.5838 <sup>(23)</sup>	17,631,237	I	See Footnote <sup>(3)</sup> (31)(32)

**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 Indirect Beneficial Ownership (Instr. 4)
			Code	V	Amount	(A) or (D)	Price			
Common Stoc	06/05/2013		P		4,312	A	\$14.5838 <sup>(24)</sup>	431,575	I	See Footnote <sup>(5)</sup> (31)(32)
Common Stoc	06/05/2013		P		18,530	A	\$14.5502 <sup>(25)</sup>	1,486,544	I	See Footnote <sup>(1)</sup> (31)(32)
Common Stoc	06/05/2013		P		151,980	A	\$14.5502 <sup>(26)</sup>	17,783,217	I	See Footnote <sup>(3)</sup> (31)(32)
Common Stoc	06/05/2013		P		3,790	A	\$14.5502 <sup>(27)</sup>	435,365	I	See Footnote <sup>(5)</sup> (31)(32)
Common Stoc	06/05/2013		P		26,577	A	\$14.4641 <sup>(28)</sup>	1,513,121	I	See Footnote <sup>(1)</sup> (31)(32)
Common Stoc	06/05/2013		P		217,986	A	\$14.4641 <sup>(29)</sup>	18,001,203	I	See Footnote <sup>(3)</sup> (31)(32)
Common Stoc	06/05/2013		P		5,437	A	\$14.4641 <sup>(30)</sup>	440,802	I	See Footnote <sup>(5)</sup> (31)(32)

**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 Acquired (A) or Disposed of (D) (Instr. 3, 4 and 5)		6. Date Exercisable and Expiration Date (Month/Day/Year)		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					

1. Name and Address of Reporting Person\*

[BAKER FELIX](#)

(Last) (First) (Middle)

667 MADISON AVENUE, 21ST FLOOR

(Street)

NEW YORK NY US 10065

(City)

(State)

(Zip)

1. Name and Address of Reporting Person\*

[BAKER JULIAN](#)

(Last) (First) (Middle)

667 MADISON AVENUE, 21ST FLOOR

(Street)

NEW YORK NY US 10065

(City)

(State)

(Zip)

1. Name and Address of Reporting Person\*

[BAKER BROS ADVISORS LLC](#)

(Last) (First) (Middle)

667 MADISON AVENUE, 21ST FLOOR

(Street)

NEW YORK NY US 10065

(City)

(State)

(Zip)

1. Name and Address of Reporting Person\*

[667, L.P.](#)

(Last)	(First)	(Middle)
667 MADISON AVENUE 21ST FLOOR		
<hr/>		
(Street)		
NEW YORK	NY	US 10065
<hr/>		
(City)	(State)	(Zip)

1. Name and Address of Reporting Person\*

[14159, L.P.](#)

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(Last)	(First)	(Middle)
667 MADISION AVENUE, 21ST FLOOR		
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(Street)		
NEW YORK	NY	US 10065
<hr/>		
(City)	(State)	(Zip)

1. Name and Address of Reporting Person\*

[Baker Brothers Life Sciences LP](#)

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(Last)	(First)	(Middle)
667 MADISON AVENUE, 21ST FLOOR		
<hr/>		
(Street)		
NEW YORK	NY	US 10065
<hr/>		
(City)	(State)	(Zip)

**Explanation of Responses:**

- After giving effect to the transactions reported herein and as a result of their ownership interest in Baker Biotech Capital (GP), LLC, Julian C. Baker and Felix J. Baker each may be deemed to have an indirect pecuniary interest in the Issuer's shares of Common Stock reported in column 5 of Table I directly held by 667, L.P. ("667"), a limited partnership of which the sole general partner is Baker Biotech Capital, L.P., a limited partnership of which the sole general partner is Baker Biotech Capital (GP), LLC, due to Baker Biotech Capital, L.P.'s right to receive an allocation of a portion of the profits from 667.
- The price reported in Column 4 is a weighted average price. These shares were purchased by 667 in multiple transactions at prices ranging from \$13.70 to \$14.52, inclusive. The reporting persons undertake to provide to the Issuer, any security holder of the Issuer, or the staff of the Securities and Exchange Commission, upon request, full information regarding the number of shares traded at each separate price within the range set forth in this footnote.
- After giving effect to the transactions reported herein and as a result of their ownership interest in Baker Brothers Life Sciences Capital (GP), LLC, Julian C. Baker and Felix J. Baker each may be deemed to have an indirect pecuniary interest in the Issuer's shares of Common Stock reported in column 5 of Table I directly held by Baker Brothers Life Sciences, L.P. ("Life Sciences"), a limited partnership of which the sole general partner is Baker Brothers Life Sciences Capital, L.P., a limited partnership of which the sole general partner is Baker Brothers Life Sciences Capital (GP), LLC, due to Baker Brothers Life Sciences Capital, L.P.'s right to receive an allocation of a portion of the profits from Life Sciences.
- The price reported in Column 4 is a weighted average price. These shares were purchased by Life Sciences in multiple transactions at prices ranging from \$13.70 to \$14.52, inclusive. The reporting persons undertake to provide to the Issuer, any security holder of the Issuer, or the staff of the Securities and Exchange Commission, upon request, full information regarding the number of shares traded at each separate price within the range set forth in this footnote.
- After giving effect to the transactions reported herein and as a result of their ownership interest in 14159 Capital (GP), LLC, Julian C. Baker and Felix J. Baker each may be deemed to have an indirect pecuniary interest in the Issuer's shares of Common Stock reported in Column 5 of Table I directly held by 14159, L.P. ("14159", and together with Baker Tisch, Baker Bros. Investments, Baker Bros. Investments II, 667 and Life Sciences, the "Funds"), a limited partnership of which the sole general partner is 14159 Capital L.P., a limited partnership of which the sole general partner is 14159 Capital (GP), LLC, due to 14159 Capital L.P.'s right to receive an allocation of a portion of the profits from 14159.
- The price reported in Column 4 is a weighted average price. These shares were purchased by 14159 in multiple transactions at prices ranging from \$13.70 to \$14.52, inclusive. The reporting persons undertake to provide to the Issuer, any security holder of the Issuer, or the staff of the Securities and Exchange Commission, upon request, full information regarding the number of shares traded at each separate price within the range set forth in this footnote.
- The price reported in Column 4 is a weighted average price. These shares were purchased by 667 in multiple transactions at prices ranging from \$13.70 to \$14.47, inclusive. The reporting persons undertake to provide to the Issuer, any security holder of the Issuer, or the staff of the Securities and Exchange Commission, upon request, full information regarding the number of shares traded at each separate price within the range set forth in this footnote.
- The price reported in Column 4 is a weighted average price. These shares were purchased by Life Sciences in multiple transactions at prices ranging from \$13.70 to \$14.47, inclusive. The reporting persons undertake to provide to the Issuer, any security holder of the Issuer, or the staff of the Securities and Exchange Commission, upon request, full information regarding the number of shares traded at each separate price within the range set forth in this footnote.
- The price reported in Column 4 is a weighted average price. These shares were purchased by 14159 in multiple transactions at prices ranging from \$13.70 to \$14.47, inclusive. The reporting persons undertake to provide to the Issuer, any security holder of the Issuer, or the staff of the Securities and Exchange Commission, upon request, full information regarding the number of shares traded at each separate price within the range set forth in this footnote.
- The price reported in Column 4 is a weighted average price. These shares were purchased by 667 in multiple transactions at prices ranging from \$14.36 to \$14.59, inclusive. The reporting persons undertake to provide to the Issuer, any security holder of the Issuer, or the staff of the Securities and Exchange Commission, upon request, full information regarding the number of shares traded at each separate price within the range set forth in this footnote.
- The price reported in Column 4 is a weighted average price. These shares were purchased by Life Sciences in multiple transactions at prices ranging from \$14.36 to \$14.59, inclusive. The reporting persons undertake to provide to the Issuer, any security holder of the Issuer, or the staff of the Securities and Exchange Commission, upon request, full information regarding the number of shares traded at each separate price within the range set forth in this footnote.
- The price reported in Column 4 is a weighted average price. These shares were purchased by 14159 in multiple transactions at prices ranging from \$14.36 to \$14.59, inclusive. The reporting persons undertake to provide to the Issuer, any security holder of the Issuer, or the staff of the Securities and Exchange Commission, upon request, full information regarding the number of shares traded at each separate price within the range set forth in this footnote.
- The price reported in Column 4 is a weighted average price. These shares were purchased by 667 in multiple transactions at prices ranging from \$14.12 to \$14.83, inclusive. The reporting persons undertake to provide to the Issuer, any security holder of the Issuer, or the staff of the Securities and Exchange Commission, upon request, full information regarding the number of shares traded at each separate price within the range set forth in this footnote.
- The price reported in Column 4 is a weighted average price. These shares were purchased by Life Sciences in multiple transactions at prices ranging from \$14.12 to \$14.83, inclusive. The reporting persons undertake to provide to the Issuer, any security holder of the Issuer, or the staff of the Securities and Exchange Commission, upon request, full information regarding the number of shares traded at each separate price within the range set forth in this footnote.
- The price reported in Column 4 is a weighted average price. These shares were purchased by 14159 in multiple transactions at prices ranging from \$14.12 to \$14.83, inclusive. The reporting persons undertake to provide to the Issuer, any security holder of the Issuer, or the staff of the Securities and Exchange Commission, upon request, full information regarding the number of shares traded at each separate price within the range set forth in this footnote.
- The price reported in Column 4 is a weighted average price. These shares were purchased by 667 in multiple transactions at prices ranging from \$14.18 to \$14.70, inclusive. The reporting persons undertake to provide to the Issuer, any security holder of the Issuer, or the staff of the Securities and Exchange Commission, upon request, full information regarding the number of shares traded at each separate price within the range set forth in this footnote.
- The price reported in Column 4 is a weighted average price. These shares were purchased by Life Sciences in multiple transactions at prices ranging from \$14.18 to \$14.70, inclusive. The reporting persons undertake to provide to the Issuer, any security holder of the Issuer, or the staff of the Securities and Exchange Commission, upon request, full information regarding the number of shares traded at each separate price within the range set forth in this footnote.
- The price reported in Column 4 is a weighted average price. These shares were purchased by 14159 in multiple transactions at prices ranging from \$14.18 to \$14.70, inclusive. The reporting persons undertake to provide to the Issuer, any security holder of the Issuer, or the staff of the Securities and Exchange Commission, upon request, full information regarding the number of shares traded at each separate price within the range set forth in this footnote.

19. The price reported in Column 4 is a weighted average price. These shares were purchased by 667 in multiple transactions at prices ranging from \$14.28 to \$14.60, inclusive. The reporting persons undertake to provide to the Issuer, any security holder of the Issuer, or the staff of the Securities and Exchange Commission, upon request, full information regarding the number of shares traded at each separate price within the range set forth in this footnote.
20. The price reported in Column 4 is a weighted average price. These shares were purchased by Life Sciences in multiple transactions at prices ranging from \$14.28 to \$14.60, inclusive. The reporting persons undertake to provide to the Issuer, any security holder of the Issuer, or the staff of the Securities and Exchange Commission, upon request, full information regarding the number of shares traded at each separate price within the range set forth in this footnote.
21. The price reported in Column 4 is a weighted average price. These shares were purchased by 14159 in multiple transactions at prices ranging from \$14.28 to \$14.60, inclusive. The reporting persons undertake to provide to the Issuer, any security holder of the Issuer, or the staff of the Securities and Exchange Commission, upon request, full information regarding the number of shares traded at each separate price within the range set forth in this footnote.
22. The price reported in Column 4 is a weighted average price. These shares were purchased by 667 in multiple transactions at prices ranging from \$14.29 to \$14.78, inclusive. The reporting persons undertake to provide to the Issuer, any security holder of the Issuer, or the staff of the Securities and Exchange Commission, upon request, full information regarding the number of shares traded at each separate price within the range set forth in this footnote.
23. The price reported in Column 4 is a weighted average price. These shares were purchased by Life Sciences in multiple transactions at prices ranging from \$14.29 to \$14.78, inclusive. The reporting persons undertake to provide to the Issuer, any security holder of the Issuer, or the staff of the Securities and Exchange Commission, upon request, full information regarding the number of shares traded at each separate price within the range set forth in this footnote.
24. The price reported in Column 4 is a weighted average price. These shares were purchased by 14159 in multiple transactions at prices ranging from \$14.29 to \$14.78, inclusive. The reporting persons undertake to provide to the Issuer, any security holder of the Issuer, or the staff of the Securities and Exchange Commission, upon request, full information regarding the number of shares traded at each separate price within the range set forth in this footnote.
25. The price reported in Column 4 is a weighted average price. These shares were purchased by 667 in multiple transactions at prices ranging from \$14.37 to \$14.70, inclusive. The reporting persons undertake to provide to the Issuer, any security holder of the Issuer, or the staff of the Securities and Exchange Commission, upon request, full information regarding the number of shares traded at each separate price within the range set forth in this footnote.
26. The price reported in Column 4 is a weighted average price. These shares were purchased by Life Sciences in multiple transactions at prices ranging from \$14.37 to \$14.70, inclusive. The reporting persons undertake to provide to the Issuer, any security holder of the Issuer, or the staff of the Securities and Exchange Commission, upon request, full information regarding the number of shares traded at each separate price within the range set forth in this footnote.
27. The price reported in Column 4 is a weighted average price. These shares were purchased by 14159 in multiple transactions at prices ranging from \$14.37 to \$14.70, inclusive. The reporting persons undertake to provide to the Issuer, any security holder of the Issuer, or the staff of the Securities and Exchange Commission, upon request, full information regarding the number of shares traded at each separate price within the range set forth in this footnote.
28. The price reported in Column 4 is a weighted average price. These shares were purchased by 667 in multiple transactions at prices ranging from \$14.30 to \$14.77, inclusive. The reporting persons undertake to provide to the Issuer, any security holder of the Issuer, or the staff of the Securities and Exchange Commission, upon request, full information regarding the number of shares traded at each separate price within the range set forth in this footnote.
29. The price reported in Column 4 is a weighted average price. These shares were purchased by Life Sciences in multiple transactions at prices ranging from \$14.30 to \$14.77, inclusive. The reporting persons undertake to provide to the Issuer, any security holder of the Issuer, or the staff of the Securities and Exchange Commission, upon request, full information regarding the number of shares traded at each separate price within the range set forth in this footnote.
30. The price reported in Column 4 is a weighted average price. These shares were purchased by 14159 in multiple transactions at prices ranging from \$14.30 to \$14.77, inclusive. The reporting persons undertake to provide to the Issuer, any security holder of the Issuer, or the staff of the Securities and Exchange Commission, upon request, full information regarding the number of shares traded at each separate price within the range set forth in this footnote.
31. The aggregate indirect beneficial ownership reported on this form is 19,955,126 shares.

32. Baker Bros. Advisors, LLC (the "Adviser") serves as the Investment Adviser to the Funds. In connection with the services provided by the Adviser, the Adviser receives an asset-based management fee that does not confer any pecuniary interest in the securities held by the Funds. Julian C. Baker and Felix J. Baker are principals of the Adviser. The Adviser has complete and unlimited discretion and authority with respect to the investment and voting power of the securities held by the Funds. The general partners of the Funds relinquished to the Adviser all discretion and authority with respect to the investment and voting power of the securities held by the Funds. Julian C. Baker, Felix J. Baker and the Adviser disclaim beneficial ownership of the securities held directly by the Funds except to the extent of their pecuniary interest therein, and this report shall not be deemed an admission that any of Julian C. Baker, Felix J. Baker or the Adviser is a beneficial owner of such securities for purposes of Section 16 or any other purpose.

#### Remarks:

Dr. Stephen R. Biggar is a Partner of Baker Bros. Advisors LLC and a director of ACADIA Pharmaceuticals, Inc. For purposes of Section 16 of the Securities Exchange Act of 1934, as amended, the reporting persons are deemed directors by deputation by virtue of their representation on the Board of Directors of ACADIA Pharmaceuticals, Inc.

/s/ Felix J. Baker 06/05/2013

/s/ Julian C. Baker 06/05/2013

Title: President /s/ Scott L. Lessing 06/05/2013

Baker Bros. Advisors, LLC, Mgmt. Co. and Inv. Adviser to 667, L.P., pursuant to authority granted by Baker Biotech Capital, L.P., GP to 667, L.P. Name: Scott L. Lessing, Title: President /s/ Scott L. Lessing 06/05/2013

Baker Bros. Advisors, LLC, Mgmt. Co. and Inv. Adviser to 14159, L.P., pursuant to authority granted by 14159 Capital, L.P., GP to 14159, L.P. Name: Scott L. Lessing, Title: President /s/ Scott L. Lessing 06/05/2013

Baker Bros. Advisors, LLC, Mgmt. Co. and Inv. Adviser to 14159, L.P., pursuant to authority granted by 14159 Capital, L.P., GP to 14159, L.P. Name: Scott L. Lessing, Title: President /s/ Scott L. Lessing 06/05/2013

Baker Bros. Advisors, LLC, Mgmt. Co. and Inv. Adviser to 14159, L.P., pursuant to authority granted by 14159 Capital, L.P., GP to 14159, L.P. Name: Scott L. Lessing, Title: President /s/ Scott L. Lessing 06/05/2013

\*\* Signature of Reporting Person Date

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

\* 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.