

OMB APPROVAL	
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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

1. Name and Address of Reporting Person* BAKER BROS. ADVISORS LP (Last) (First) (Middle) 860 WASHINGTON STREET 3RD FLOOR (Street) NEW YORK NY 10014 (City) (State) (Zip)	2. Issuer Name and Ticker or Trading Symbol ACADIA PHARMACEUTICALS INC [ACAD]	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)
	3. Date of Earliest Transaction (Month/Day/Year) 11/27/2017	

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								3,029,953	I	See Footnotes ⁽¹⁾⁽⁵⁾⁽⁶⁾
Common Stock								23,708,408	I	See Footnotes ⁽²⁾⁽⁵⁾⁽⁶⁾
Common Stock	11/27/2017		M		39,378 ⁽³⁾	A	\$1.38	491,918	I	See Footnotes ⁽⁴⁾⁽⁵⁾⁽⁶⁾
Common Stock	11/27/2017		F		1,941 ⁽³⁾	D	\$28	489,977	I	See Footnotes ⁽⁴⁾⁽⁵⁾⁽⁶⁾

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						Title
Common Stock Warrant (right to buy)	\$1.38	11/27/2017		M		39,378 ⁽³⁾		07/12/2011	01/11/2018	Common Stock	39,378	⁽⁷⁾	0	I	See Footnotes ⁽⁴⁾⁽⁵⁾⁽⁶⁾

1. Name and Address of Reporting Person*
BAKER BROS. ADVISORS LP

 (Last) (First) (Middle)
860 WASHINGTON STREET
3RD FLOOR

 (Street)
NEW YORK NY 10014

 (City) (State) (Zip)

1. Name and Address of Reporting Person*
14159, L.P.

 (Last) (First) (Middle)
860 WASHINGTON STREET, 3RD FLOOR

 (Street)
NEW YORK NY 10014

 (City) (State) (Zip)

1. Name and Address of Reporting Person*

[667, L.P.](#)

(Last) (First) (Middle)

860 WASHINGTON STREET, 3RD FLOOR

(Street)

NEW YORK NY 10014

(City) (State) (Zip)

1. Name and Address of Reporting Person*

[Baker Bros. Advisors \(GP\) LLC](#)

(Last) (First) (Middle)

860 WASHINGTON STREET
3RD FLOOR

(Street)

NEW YORK NY 10014

(City) (State) (Zip)

1. Name and Address of Reporting Person*

[Baker Brothers Life Sciences LP](#)

(Last) (First) (Middle)

860 WASHINGTON STREET
3RD FLOOR

(Street)

NEW YORK NY 10014

(City) (State) (Zip)

1. Name and Address of Reporting Person*

[BAKER FELIX](#)

(Last) (First) (Middle)

860 WASHINGTON STREET
3RD FLOOR

(Street)

NEW YORK NY 10014

(City) (State) (Zip)

1. Name and Address of Reporting Person*

[BAKER JULIAN](#)

(Last) (First) (Middle)

860 WASHINGTON STREET, 3RD FLOOR

(Street)

NEW YORK NY 10014

(City) (State) (Zip)

Explanation of Responses:

1. As a result of their ownership interest in Baker Biotech Capital (GP), LLC, Felix J. Baker and Julian C. Baker may be deemed to have an indirect pecuniary interest in 3,029,953 shares of Common Stock of ACADIA Pharmaceuticals Inc. (the "Issuer") beneficially owned 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.

2. 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 23,708,408 shares of Common Stock of the Issuer beneficially owned 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.

3. On November 27, 2017, 14159, L.P. ("14159", and together with Life Sciences and 667, the "Funds") exercised a warrant to purchase 39,378 shares of the common stock of the Issuer for \$1.38 per share ("2018 Warrants"). 14159 paid the exercise price on a cashless basis, resulting in the Issuer withholding of 1,941 of the 2018 Warrant shares to pay the exercise price and issuing to 14159 the remaining 37,437 shares of common stock of the Issuer. The Issuer also paid \$6.36 to 14159 for the fractional shares. The Issuer's Board of Directors approved the exercise of the 2018 Warrants by 14159 on the cashless basis described in this footnote in advance of such exercise.

4. As a result of their ownership interest in 14159 Capital (GP), LLC, Felix J. Baker and Julian C. Baker may be deemed to have an indirect pecuniary interest in the Issuer's shares of Common Stock reported in column 5 of Table I and warrants to purchase the Common Stock of the Issuer reported in column 9 of Table II beneficially owned by 14159, 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.

5. Baker Bros. Advisors LP (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. Baker Bros. Advisors (GP) LLC (the "Adviser GP") is the Adviser's sole general partner. Julian C. Baker and Felix J. Baker are principals of the Adviser GP. 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 have relinquished to the Adviser all discretion and authority with respect to the investment and voting power of the securities held by the Funds.

6. Julian C. Baker, Felix J. Baker, the Adviser GP 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, the Adviser GP or the Adviser is a beneficial owner of such securities for purposes of Section 16 or any other purpose.

7. Pursuant to Instruction 4(c)(iii), this response has been left blank.

Remarks:

Julian C. Baker, a principal and Dr. Stephen R. Biggar, an employee of Baker Bros. Advisors LP are directors of ACADIA Pharmaceuticals Inc. (the "Issuer"). For purposes of Section 16 of the Securities Exchange Act of 1934, as amended, the reporting persons are deemed directors by deputization by virtue of their representation on the Board of Directors of the Issuer.

By: Baker Bros. Advisors LP,
Name: Scott L. Lessing, Title: 11/29/2017
President /s/ Scott L. Lessing

Baker Bros. Advisors LP, Mgmt.
Co. and Inv. Adviser to 14159,
L.P., pursuant to authority
granted by 14159 Capital, L.P., 11/29/2017
GP to 14159, L.P. Name: Scott
L. Lessing, Title: President /s/
Scott L. Lessing

Baker Bros. Advisors LP, Mgmt.
Co. and Inv. Adviser to 667,
L.P., pursuant to authority
granted by Baker Biotech 11/29/2017
Capital, L.P., GP to 667, L.P.
Name: Scott L. Lessing, Title:
President /s/ Scott L. Lessing

By: Baker Bros. Advisors (GP)
LLC, Name: Scott L. Lessing, 11/29/2017
Title: President /s/ Scott L.
Lessing

Baker Bros. Advisors LP, Mgmt.
Co. and Inv. Adviser to BAKER
BROTHERS LIFE SCIENCES,
L.P., pursuant to authority
granted by Baker Brothers Life 11/29/2017
Sciences Capital, L.P., GP to
Baker Brothers Life Sciences,
L.P., Name: Scott L. Lessing,
Title: President /s/

/s/ Felix J. Baker 11/29/2017

/s/ Julian C. Baker 11/29/2017

** 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.