ACADIA PHARMACEUTICALS INC

Form SC 13G/A

February 14, 2005

CUSIP No. US0042251084 13G Page 1 of 17 Pages

UNITED STATES SECURITIES AND EXCHANGE COMMISSION

Washington, D.C. 20549

SCHEDULE 13G

OMB APPROVAL OMB Number: 3235-0145

Expires: December 31, 2005 Estimated average burden hours per response. . 11

Under the Securities Exchange Act of 1934 (Amendment No.)*

ACADIA PHARMACEUTICALS INC.

(Name of Issuer)

Common Stock, \$0.0001 Par Value

(Title of Class of Securities)

US0042251084

(CUSIP Number)

December 31, 2004

(Date of Event Which Requires Filing of this Statement)

Check the appropriate box to designate the rule pursuant to which this Schedule is filed:

- o Rule 13d-1(b)
- o Rule 13d-1(c)
- ý Rule 13d-1(d)

^{*}The remainder of this cover page shall be filled out for a reporting person s initial filing on this form with respect to the subject class of securities, and for any subsequent amendment containing information which would alter the disclosures provided in a prior cover page.

The information required in the remainder of this cover page shall not be deemed to be filed for the purpose of Section 18 of the Securities Exchange Act of 1934 (Act) or otherwise subject to the liabilities of that section of the Act but shall be subject to all other provisions of the Act (however, see the Notes).

42251084		13G	Page 2 of 17 Pages	
		tion Nos. of above persons (entition	es only)	
		Group (See Instructions)		
(a) (b)	o o			
SEC Use Only				
Citizenship or Place of Organization Delaware				
5.		Sole Voting Power 0 shares		
6.		Shared Voting Powe 2,599,815 shares	भ	
7.		Sole Dispositive Pov 0 shares	wer	
8.		Shared Dispositive F 2,599,815 shares	Power	
Aggregate Amount Beneficially Owned by Each Reporting Person 2,599,815 shares				
Check if the Aggregate Amount in Row (9) Excludes Certain Shares (See Instructions) o				
Percent of Class Represented by Amount in Row (9) 15.41%				
Type of Reporting Po	erson (See Instructions)			
	Names of Reporting Oxford Bioscience P Check the Appropria (a) (b) SEC Use Only Citizenship or Place Delaware 5. 6. 7. 8. Aggregate Amount E 2,599,815 shares Check if the Aggregate Percent of Class Rep 15.41% Type of Reporting Potential Poxes (Appropriate Process)	Names of Reporting Persons. I.R.S. Identificat Oxford Bioscience Partners IV L.P. Check the Appropriate Box if a Member of a Ga (a) 0 (b) 0 SEC Use Only Citizenship or Place of Organization Delaware 5. 6. 7. 8. Aggregate Amount Beneficially Owned by Ea 2,599,815 shares Check if the Aggregate Amount in Row (9) Experience of Class Represented by Amount in R 15.41% Type of Reporting Person (See Instructions)	Names of Reporting Persons. I.R.S. Identification Nos. of above persons (entition oxford Bioscience Partners IV L.P. Check the Appropriate Box if a Member of a Group (See Instructions) (a) 0 (b) 0 SEC Use Only Citizenship or Place of Organization Delaware 5. Sole Voting Power 0 shares 6. Shared Voting Power 2,599,815 shares 7. Sole Dispositive Pow 0 shares 8. Shared Dispositive Pow 0 shares Aggregate Amount Beneficially Owned by Each Reporting Person 2,599,815 shares Check if the Aggregate Amount in Row (9) Excludes Certain Shares (See Instructions) Percent of Class Represented by Amount in Row (9) 15.41% Type of Reporting Person (See Instructions)	

CUSIP No. US0042251084			13G	Page 3 of 17 Pages			
1.		Names of Reporting Persons. I.R.S. Identification Nos. of above persons (entities only) mRNA Fund II L.P.					
2.		propriate Box if a Member of a	a Group (See Instructions)				
	(a) (b)	0 0					
3.	SEC Use Onl	у					
4.	Citizenship or Place of Organization Delaware						
N. I. C		5.	Sole Voting Power 0 shares				
Number of Shares Beneficially		6.	Shared Voting Power 2,599,815 shares				
Owned by Each Reporting		7.	Sole Dispositive Powe 0 shares	टा			
Person With		8.	Shared Dispositive Po 2,599,815 shares	wer			
9.	Aggregate Ar 2,599,815 sh	mount Beneficially Owned by I ares	Each Reporting Person				
10.	Check if the	Aggregate Amount in Row (9) Excludes Certain Shares (See Instructions) O					
11.	Percent of Cla	Class Represented by Amount in Row (9)					
12.	Type of Repo	porting Person (See Instructions)					

CUSIP No. US0042251084			13G	Page 4 of 17 Pages			
1.		Names of Reporting Persons. I.R.S. Identification Nos. of above persons (entities only) DBP Management IV L.P.					
2.	Check the Ap (a) (b)	Appropriate Box if a Member of a Group (See Instructions) o o					
3.	SEC Use Onl	у					
4.	Citizenship or Place of Organization Delaware						
Name of		5.	Sole Voting Power 0 shares				
Number of Shares Beneficially Owned by		6.	Shared Voting Power 2,599,815 shares				
Each Reporting Person With		7.	Sole Dispositive Power 0 shares				
reison with		8.	Shared Dispositive Power 2,599,815 shares				
9.	Aggregate Amount Beneficially Owned by Each Reporting Person 2,599,815 shares						
10.	Check if the	ne Aggregate Amount in Row (9) Excludes Certain Shares (See Instructions) o					
11.	Percent of Cl 15.41%	Class Represented by Amount in Row (9)					
12.	Type of Repo	Reporting Person (See Instructions)					

42251084	13G		Page 5 of 17 Pages
Names of Reporting Jeffrey T. Barnes	Persons. I.R.S. Identifica	tion Nos. of above persons (entitie	es only)
	te Box if a Member of a	Group (See Instructions)	
	0		
(0)	0		
SEC Use Only			
Citizenship or Place of Organization United States			
5.		Sole Voting Power	
		o shares	
6.		Shared Voting Power	r
		2,599,815 shares	
7.		Sole Dispositive Pow	ver
		0 shares	
0		or 1D, ,, D	
δ.		2,599,815 shares	ower
Aggregate Amount E	Beneficially Owned by Ea	ach Reporting Person	
2,599,815 shares			
Check if the Aggrega	ate Amount in Row (9) E	xcludes Certain Shares (See Instru	ctions) O
Percent of Class Represented by Amount in Row (9) 15.41%			
Type of Reporting Person (See Instructions) IN			
	Names of Reporting Jeffrey T. Barnes Check the Appropria (a) (b) SEC Use Only Citizenship or Place United States 5. 6. 7. 8. Aggregate Amount H 2,599,815 shares Check if the Aggregate Percent of Class Rep 15.41%	Names of Reporting Persons. I.R.S. Identificated Jeffrey T. Barnes Check the Appropriate Box if a Member of a set (a) o (b) o SEC Use Only Citizenship or Place of Organization United States 5. 6. 7. 8. Aggregate Amount Beneficially Owned by Early, 2599,815 shares Check if the Aggregate Amount in Row (9) E Percent of Class Represented by Amount in R 15.41%	Names of Reporting Persons. I.R.S. Identification Nos. of above persons (entitied Jeffrey T. Barnes Check the Appropriate Box if a Member of a Group (See Instructions) (a) 0 (b) 0 SEC Use Only Citizenship or Place of Organization United States 5. Sole Voting Power 0 shares 6. Shared Voting Power 2,599,815 shares 7. Sole Dispositive Pow 0 shares 8. Shared Dispositive Pow 0 shares Aggregate Amount Beneficially Owned by Each Reporting Person 2,599,815 shares Check if the Aggregate Amount in Row (9) Excludes Certain Shares (See Instruction) Percent of Class Represented by Amount in Row (9) 15.41%

CUSIP No. US00	042251084		13G	Page 6 of 17 Pages			
1.	Names of Reporting Persons. I.R.S. Identification Nos. of above persons (entities only) Mark P. Carthy						
2.	•	propriate Box if a Member of a Group (See Instructions) o o					
3.	SEC Use Only						
4.	Citizenship or Place of United States	Citizenship or Place of Organization					
	5.		Sole Voting Power 0 shares	r			
Number of Shares Beneficially	6.		Shared Voting Pov 2,599,815 shares	wer			
Owned by Each Reporting Person With	7.		Sole Dispositive P 0 shares	ower			
Person with	8.		Shared Dispositive 2,599,815 shares	e Power			
9.	Aggregate Amount B 2,599,815 shares	Aggregate Amount Beneficially Owned by Each Reporting Person 2,599,815 shares					
10.	Check if the Aggrega	the Aggregate Amount in Row (9) Excludes Certain Shares (See Instructions) o					
11.	Percent of Class Repr 15.41%	at of Class Represented by Amount in Row (9)					
12.	Type of Reporting Pe IN	eporting Person (See Instructions)					

CUSIP No. US0042251084			13G	Page 7 of 17 Pages		
1.	Names of Reporting Persons. I.R.S. Identification Nos. of above persons (entities only) Jonathan J. Fleming					
2.	Check the Appropriate (a)		Group (See Instructions)			
	(a) (b)	0				
3.	SEC Use Only					
4.	Citizenship or Place of Organization United States					
N I C	5.		Sole Voting Power 0 shares			
Number of Shares Beneficially Owned by	6.		Shared Voting Power 2,599,815 shares	er		
Each Reporting Person With	7.		Sole Dispositive Po 0 shares	wer		
CISON WITH	8.		Shared Dispositive 2,599,815 shares	Power		
9.	Aggregate Amount Beneficially Owned by Each Reporting Person 2,599,815 shares					
10.	Check if the Aggregate Amount in Row (9) Excludes Certain Shares (See Instructions) O					
11.	Percent of Class Represented by Amount in Row (9) 15.41%					
12.	Type of Reporting Person (See Instructions) IN					

CUSIP No. US0042251084		13G		Page 8 of 17 Pages			
1.	Names of Reporting Persons. I.R.S. Identification Nos. of above persons (entities only) Michael E. Lytton						
2.	Check the App (a) (b)	ropriate Box if a Member of a Group (See Instructions) o o					
3.	SEC Use Only						
4.	Citizenship or United States	nship or Place of Organization I States					
N. I. C		5.	Sole Voting Power 0 shares				
Number of Shares Beneficially	(5.	Shared Voting Power 2,599,815 shares				
Owned by Each Reporting	5	7.	Sole Dispositive Powe 0 shares	ı			
Person With	8	3.	Shared Dispositive Por 2,599,815 shares	wer			
9.	Aggregate Am 2,599,815 sha	te Amount Beneficially Owned by Each Reporting Person 5 shares					
10.	Check if the A	Aggregate Amount in Row (9) Excludes Certain Shares (See Instructions) O					
11.	Percent of Clas	lass Represented by Amount in Row (9)					
12.	Type of Repor	rting Person (See Instructions)					

CUSIP No. US0042251084			13G	Page 9 of 17 Pages			
1.		fames of Reporting Persons. I.R.S. Identification Nos. of above persons (entities only) Llan G. Walton					
2.	Check the Ap (a) (b)	propriate Box if a Member of a Group (See Instructions) o o					
3.	SEC Use Onl	у					
4.	Citizenship or Place of Organization United States						
N. I. C		5.	Sole Voting Power 9,000 shares				
Number of Shares Beneficially Owned by		6.	Shared Voting Power 2,599,815 shares				
Each Reporting Person With		7.	Sole Dispositive Power 9,000 shares				
reison with		8.	Shared Dispositive Pow 2,599,815 shares	ver			
9.	Aggregate Amount Beneficially Owned by Each Reporting Person 2,599,815 shares						
10.	Check if the	the Aggregate Amount in Row (9) Excludes Certain Shares (See Instructions) O					
11.	Percent of Cl 15.46%	Class Represented by Amount in Row (9)					
12.	Type of Repo	f Reporting Person (See Instructions)					

CUSIP No. US0042251084	13G	Page 10 of 17 Pages
------------------------	-----	---------------------

Schedule 13G

NOTE: This Statement on Schedule 13G is being filed on behalf of: (i) Oxford Bioscience Partners IV L.P., a Delaware limited partnership; (ii) mRNA Fund II L.P., a Delaware limited partnership; (iii) OBP Management IV L.P., a Delaware limited partnership; (iv) Jeffrey T. Barnes; (v) Mark P. Carthy; (vi) Jonathan J. Fleming; (vii) Michael E. Lytton; and (viii) Alan G. Walton.

Item 1.

(a) Name of Issuer

Acadia Pharmaceuticals Inc.

(b) Address of Issuer s Principal Executive Offices

3911 Sorrento Valley Boulevard, San Diego, California, 92121

Item 2.

Item 2(a)	Item 2(b)	Item 2(c) Citizenship or
Name of Person Filing	Address	Place of Organization
Oxford Bioscience Partners IV L.P. (Oxford IV)	Oxford Bioscience Partners 222 Berkeley St. Boston, MA 02116	Delaware
mRNA Fund II L.P. (mRNA II)	Oxford Bioscience Partners 222 Berkeley St. Boston, MA 02116	Delaware
OBP Management IV L.P. (OBP IV), the general partner of Oxford IV and mRNA II	Oxford Bioscience Partners 222 Berkeley St. Boston, MA 02116	Delaware
Jeffrey T. Barnes, a general partner of OBP IV	Oxford Bioscience Partners 222 Berkeley St. Boston, MA 02116	United States
Mark P. Carthy, a general partner of OBP IV	Oxford Bioscience Partners 222 Berkeley St. Boston, MA 02116	United States
Jonathan J. Fleming, a general partner of OBP IV	Oxford Bioscience Partners 222 Berkeley St. Boston, MA 02116	United States
Michael E. Lytton, a general partner of OBP IV	Oxford Bioscience Partners 222 Berkeley St. Boston, MA 02116	United States
Alan G. Walton, a general partner of OBP IV	Oxford Bioscience Partners 315 Post Rd. West Westport, CT 06880	United States

CUSIP No. US0042251084			13G	Page 11 of 17 Pages
	(d) (e)	Title of Class of Securities Common Stock, \$0.0001 par value. CUSIP Number US0042251084		
Item 3.	If this stateme	ent is filed pursuant to §§240.13d-1	(b) or 240.13d-2(b) or (c), check whether	r the person filing is a:
	(a)	0	Broker or dealer registered under s 78o).	
	(b)	0	Bank as defined in section 3(a)(6)	of the Act (15 U.S.C. 78c).
	(c)	0	Insurance company as defined in surance U.S.C. 78c).	ection 3(a)(19) of the Act (15
	(d)	0	Investment company registered un Company Act of 1940 (15 U.S.C 8	
	(e)	0	An investment adviser in accordan	
	(f)	0	An employee benefit plan or endow \$240.13d-1(b)(1)(ii)(F);	
	(g)	0	A parent holding company or control \$ 240.13d-1(b)(1)(ii)(G);	rol person in accordance with
	(h)	0	A savings associations as defined in Deposit Insurance Act (12 U.S.C.	
	(i)	0	A church plan that is excluded from company under section 3(c)(14) of 1940 (15 U.S.C. 80a-3);	m the definition of an investment
	(j) Not applicable.	0	Group, in accordance with §240.13	3d-1(b)(1)(ii)(J).

Item 4. Ownership

Provide the following information regarding the aggregate number and percentage of the class of securities of the issuer identified in Item 1.

(a) Amount beneficially owned:

As of December 31, 2004 each of the following is the owner of record of the number of shares of Common Stock, \$0.0001 of Acadia Pharmaceuticals Inc. set forth next to his or its name:

Oxford IV:	2,573,836 Shares
mRNA II:	25,979 Shares
OBP IV:	0 Shares
Mr. Barnes:	0 Shares
Mr. Carthy:	0 Shares
Mr. Fleming:	0 Shares
Mr. Lytton:	0 Shares
Mr. Walton:	9.000 Shares

By virtue of their relationship as affiliated limited partnerships, whose sole general partner shares individual general partners, Oxford IV and mRNA II may be deemed to share voting power and the power to direct the disposition of the shares which each partnership owns of record. OBP IV (as the general partner of Oxford IV and mRNA II), may also be deemed to own beneficially the shares held of record by Oxford IV and mRNA II. Each of Messrs. Barnes, Carthy, Fleming, Lytton, and Walton, the individual general partners of OBP IV, may be deemed to own beneficially the shares held by Oxford IV and mRNA II. Note that 9,000 of the beneficially owned shares of Walton consist of shares issuable upon the exercise of options to purchase shares, which are immediately exercisable.

CUSIP No. US0042251084	13G	Page 12 of 17 Pages
------------------------	-----	---------------------

(b) Percent of class:

15.41%
15.41%
15.41%
15.41%
15.41%
15.41%
15.41%
15.46%

The foregoing percentages are calculated based on the 16,866,979 shares of Common Stock reported to be outstanding as of October 31, 2004 in the Quarterly Report on Form 10-Q of Acadia Pharmaceuticals Inc. for the quarter ended September 30, 2004 (as adjusted pursuant to Rule 13d-3(d)(1)).

(c) Number of shares as to which the person has:

(i)

Sole power to vote or to direct the vote

Oxford IV:	0 Shares
mRNA II:	0 Shares
OBP IV:	0 Shares
Mr. Barnes:	0 Shares
Mr. Carthy:	0 Shares
Mr. Fleming:	0 Shares
Mr. Lytton:	0 Shares
Mr. Walton:	9,000 Shares

(ii) Shared power to vote or to direct the vote

Oxford IV:	2,599,815 Shares
mRNA II:	2,599,815 Shares
OBP IV:	2,599,815 Shares
Mr. Barnes:	2,599,815 Shares
Mr. Carthy:	2,599,815 Shares
Mr. Fleming:	2,599,815 Shares
Mr. Lytton:	2,599,815 Shares
Mr. Walton:	2,599,815 Shares

CUSIP No. US0042251084	13G	Page 13 of 17 Pages
------------------------	-----	---------------------

(iii) Sole power to dispose or to direct the disposition of

Oxford IV:	0 Shares
mRNA II:	0 Shares
OBP IV:	0 Shares
Mr. Barnes:	0 Shares
Mr. Carthy:	0 Shares
Mr. Fleming:	0 Shares
Mr. Lytton:	0 Shares
Mr. Walton:	9,000 Shares

(iv) Shared power to dispose or to direct the disposition of

Oxford IV:	2,599,815 Shares
mRNA II:	2,599,815 Shares
OBP IV:	2,599,815 Shares
Mr. Barnes:	2,599,815 Shares
Mr. Carthy:	2,599,815 Shares
Mr. Fleming:	2,599,815 Shares
Mr. Lytton:	2,599,815 Shares
Mr. Walton:	2,599,815 Shares

Each of Oxford IV, mRNA II, OBP IV, and Messrs. Barnes, Carthy, Fleming, Lytton and Walton expressly disclaims beneficial ownership of any shares of the Common Stock of Acadia Pharmaceuticals Inc., except to the extent of his or its pecuniary interest therein and any shares held directly of record.

Item 5. Ownership of Five Percent or Less of a Class

If this statement is being filed to report the fact that as of the date hereof the reporting person has ceased to be the beneficial owner of more than five percent of the class of securities, check the following O.

Not applicable.

Item 6.	Ownership of More than Five Percent on Behalf of Another Person Not applicable.
Item 7.	Identification and Classification of the Subsidiary Which Acquired the Security Being Reported on By the Parent Holding Company or Control Person Not applicable.
Item 8.	Identification and Classification of Members of the Group Not applicable. Oxford IV, mRNA II, OBP IV, Messrs. Barnes, Carthy, Fleming, Lytton and Walton expressly disclaim membership in a group as used in Rule 13d 1(b)(ii)(J) of the Act.
Item 9.	Notice of Dissolution of Group Not applicable.

CUSIP No. US0042251084	13G	Page 14 of 17 Pages
------------------------	-----	---------------------

Item 10. Certification

By signing below each of Oxford IV, mRNA II, OBP IV, and Messrs. Barnes, Carthy, Fleming, Lytton and Walton certify that, to the best of its or his knowledge and belief, the securities referred to above were not acquired and are not held for the purpose of or with the effect of changing or influencing the control of the issuer of the securities and were not acquired and are not held in connection with or as a participant in any transaction having that purpose or effect.

CUSIP No. US0042251084	13G	Page 15 of 17 Pages
------------------------	-----	---------------------

Signature

After reasonable inquiry and to the best of his, her or its knowledge and belief, each of the undersigned certifies that the information set forth in this statement is true, complete and correct. We also hereby agree to file this statement jointly pursuant to the agreement set forth as Exhibit 1.

Dated: February 14, 2005

OXFORD BIOSCIENCE PARTNERS IV L.P.

By: OBP Management IV L.P., its general partner

By: /s/ Jonathan J. Fleming

Jonathan J. Fleming General Partner

MRNA FUND II L.P.

By: OBP Management IV L.P., its general partner

By: /s/ Jonathan J. Fleming

Jonathan J. Fleming General Partner

OBP MANAGEMENT IV L.P.

By: /s/ Jonathan J. Fleming

Jonathan J. Fleming General Partner

/s/ Jeffrey T. Barnes Jeffrey T. Barnes

/s/ Mark P. Carthy Mark P. Carthy

/s/ Jonathan J. Fleming Jonathan J. Fleming

/s/ Michael E. Lytton Michael E. Lytton

/s/ Alan G. Walton Alan G. Walton

CUSIP No. US0042251084	13G	Page 16 of 17 Pages
------------------------	-----	---------------------

Exhibit 1

AGREEMENT

Pursuant to Rule 13d-1(k)(1) under the Securities Exchange Act of 1934, the undersigned hereby agree that only one statement containing the information required by Schedule 13G need be filed with respect to the ownership by each of the undersigned of shares of Common Stock of Acadia Pharmaceuticals Inc.

Dated: February 14, 2005

OXFORD BIOSCIENCE PARTNERS IV L.P.

By: OBP Management IV L.P., its general partner

By: /s/ Jonathan J. Fleming

Jonathan J. Fleming General Partner

MRNA FUND II L.P.

By: OBP Management IV L.P., its general partner

By: /s/ Jonathan J. Fleming

Jonathan J. Fleming General Partner

OBP MANAGEMENT IV L.P.

By: /s/ Jonathan J. Fleming

Jonathan J. Fleming General Partner

/s/ Jeffrey T. Barnes Jeffrey T. Barnes

/s/ Mark P. Carthy Mark P. Carthy

/s/ Jonathan J. Fleming Jonathan J. Fleming

/s/ Michael E. Lytton Michael E. Lytton

/s/ Alan G. Walton

Alan G. Walton

CUSIP No. US0042251084	13G	Page 17 of 17 Pages
	•	