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

SCHEDULE 13G

UNDER THE SECURITIES EXCHANGE ACT OF 1934

(AMENDMENT NO. 4)*

		,	
	Aca	adia Pharmaceuticals Inc.	
		(Name of Issuer)	
	Common Si	tock, \$.0001 par value per	share
	(T1	tle of Class of Securities	5)
		004225108	
		(CUSIP Number)	
		December 31, 2008	
	(Date of Event N	Which Requires Filing of t	his Statement)
Check is fil		designate the rule pursua	ant to which this Schedule
[_] R	ule 13d-1(b) ule 13d-1(c) ule 13d-1(d)		
initia for an	l filing on this form ι	with respect to the subject containing information wh	for a reporting person's ct class of securities, and cich would alter the
to be 1934 ("filed" for the purpose "Act") or otherwise sul all be subject to all o	the remainder of this cover e of Section 18 of the Sec oject to the liabilities o other provisions of the Ac	of that section of the Act
=====	=======================================		
	======= NO. 004225108 =========	13G	PAGE 2 OF 16
	NAMES OF REPORTING PER		ITITIES ONLY)
	OXFORD BIOSCIENCE PAR	TNERS IV L.P.	
2	CHECK THE APPROPRIATE	BOX IF A MEMBER OF A GROU	UP (SEE INSTRUCTIONS)(a)[_] (b)[_]
3	SEC USE ONLY		
4	CITIZENSHIP OR PLACE (
	Delaware		

		5	SOLE VOTING POWER	
			Θ	
NUMBI SHA	ER OF	6	SHARED VOTING POWER	
BENEFI	CIALLY		3,422,717	
OWNE	CH	7	SOLE DISPOSITIVE POWER	
PER			0	
WΙ	TH:	8	SHARED DISPOSITIVE POWER	
			3,422,717	
9	AGGREGATE	AMOUNT	BENEFICIALLY OWNED BY EACH REPORTING PERSON	
	3,422,717			
10	CHECK BOX (SEE INSTE		AGGREGATE AMOUNT IN ROW (9) EXCLUDES CERTAIN SH S)	IARES
11	PERCENT OF	CLASS	REPRESENTED BY AMOUNT IN ROW (9)	
	9.2%			
12	TYPE OF RE	EPORTIN	G PERSON (SEE INSTRUCTIONS)	
	PN			
_=====	=======	===		=======

(Page 2 of 16 Pages)

CUSIP	======= NO. 004225 =======	108	13G	PAGE 3 OF 16
1	NAMES OF R	REPORTI	NG PERSONS ATION NOS. OF ABOVE PERSONS (ENTITIES ONLY)	=======
	mRNA FUND	II L.P		
2	CHECK THE		RIATE BOX IF A MEMBER OF A GROUP (SEE INSTR	(b)[_]
3	SEC USE ON			
4	 CITIZENSHI	P OR PI	_ACE OF ORGANIZATION	
	Delaware			
			SOLE VOTING POWER	
			0	
NUMB SHA	ER OF	6	SHARED VOTING POWER	
BENEFI	CIALLY D BY		3,422,717	
EA		7	SOLE DISPOSITIVE POWER	
PER			0	
WI	111.	8	SHARED DISPOSITIVE POWER	
			3,422,717	
9	AGGREGATE	AMOUNT	BENEFICIALLY OWNED BY EACH REPORTING PERSON	N
	3,422,717			
10	CHECK BOX (SEE INSTR	IF THE	AGGREGATE AMOUNT IN ROW (9) EXCLUDES CERTA	
11	PERCENT OF	CLASS	REPRESENTED BY AMOUNT IN ROW (9)	
	9.2%			
12	TYPE OF RE	PORTING	G PERSON (SEE INSTRUCTIONS)	
	PN	.=====		

(Page 3 of 16 Pages)

CUSIP	====== NO. 004225 =======	5108	136	PAGE 4 OF 16
1	NAMES OF F	REPORTI	NG PERSONS ATION NOS. OF ABOVE PERSONS (ENTITIES ONLY)	=======
	OBP MANAGE	MENT I	/ L.P.	
2	CHECK THE		RIATE BOX IF A MEMBER OF A GROUP (SEE INSTR	UCTIONS)(a)[_] (b)[_]
3	SEC USE ON			
4	CITIZENSH		LACE OF ORGANIZATION	
	Delaware			
			SOLE VOTING POWER	
			0	
	ER OF	6	SHARED VOTING POWER	
	CIALLY		3,422,717	
EA		7	SOLE DISPOSITIVE POWER	
PER			0	
WΙ	TH:	8	SHARED DISPOSITIVE POWER	
			3,422,717	
9	AGGREGATE	AMOUNT	BENEFICIALLY OWNED BY EACH REPORTING PERSON	N
	3,422,717			
10	CHECK BOX (SEE INSTE	IF THE	AGGREGATE AMOUNT IN ROW (9) EXCLUDES CERTA	
11	PERCENT OF	CLASS	REPRESENTED BY AMOUNT IN ROW (9)	
	9.2%			
12	TYPE OF RE	PORTIN	G PERSON (SEE INSTRUCTIONS)	
	PN	.====		

(Page 4 of 16 Pages)

	NO. 004225		136	PAGE 5 OF 16				
1	1 NAMES OF REPORTING PERSONS I.R.S. IDENTIFICATION NOS. OF ABOVE PERSONS (ENTITIES ONLY)							
	JEFFREY T.	BARNE	s					
2			RIATE BOX IF A MEMBER OF A GROUP (SEE INSTR	(b)[_]				
3	SEC USE ON							
4	CITIZENSHI	P OR P	LACE OF ORGANIZATION					
	United Sta	ites						
		5	SOLE VOTING POWER					
			0					
	ER OF RES	6	SHARED VOTING POWER					
BENEFI	CIALLY D BY		3,422,717					
EA	CH RTING	7	SOLE DISPOSITIVE POWER					
PER	SON TH:		0					
		8	SHARED DISPOSITIVE POWER					
			3,422,717					
9	AGGREGATE	AMOUNT	BENEFICIALLY OWNED BY EACH REPORTING PERSO	N				
	3,422,717							
10	(SEE INSTR	RUCTION	•	[_]				
11			REPRESENTED BY AMOUNT IN ROW (9)					
	9.2%							
12	TYPE OF RE	PORTIN	G PERSON (SEE INSTRUCTIONS)					
	IN =======	.=====						

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(Page 5 of 16 Pages)

CUSIP	======= NO. 004225 =======	108	13G	PAGE 6 OF 16				
1	NAMES OF R	REPORTI		=======				
	JONATHAN J	I. FLEM	ING					
2	CHECK THE		RIATE BOX IF A MEMBER OF A GROUP (SEE INSTR	UCTIONS)(a)[_] (b)[_]				
3	SEC USE ON							
4	CITIZENSHI	P OR PI	LACE OF ORGANIZATION					
	United Sta							
			SOLE VOTING POWER					
			0					
	ER OF	6	SHARED VOTING POWER					
	CIALLY		3,422,717					
EA		7	SOLE DISPOSITIVE POWER					
PER			0					
WI	TH:	8	SHARED DISPOSITIVE POWER					
			3,422,717					
9	AGGREGATE	AMOUNT	BENEFICIALLY OWNED BY EACH REPORTING PERSON	N				
	3,422,717							
10	CHECK BOX (SEE INSTR	IF THE	AGGREGATE AMOUNT IN ROW (9) EXCLUDES CERTA					
11	PERCENT OF	CLASS	REPRESENTED BY AMOUNT IN ROW (9)					
	9.2%							
12	TYPE OF RE	PORTING	G PERSON (SEE INSTRUCTIONS)					
	IN =======	.=====						

(Page 6 of 16 Pages)

	NO. 004225		136	PAGE 7 OF 16				
1	1 NAMES OF REPORTING PERSONS I.R.S. IDENTIFICATION NOS. OF ABOVE PERSONS (ENTITIES ONLY)							
	MICHAEL E.	LYTT0	N					
2			RIATE BOX IF A MEMBER OF A GROUP (SEE INSTR	(b)[_]				
3	SEC USE ON							
4	CITIZENSH	P 0R P	LACE OF ORGANIZATION					
	United Sta	ates						
		5	SOLE VOTING POWER					
			0					
	SER OF RES	6	SHARED VOTING POWER					
BENEFI	CIALLY		3,422,717					
EA	D BY CH	7	SOLE DISPOSITIVE POWER					
PER	RTING SON TH:		0					
WI	. і п.	8	SHARED DISPOSITIVE POWER					
			3,422,717					
9	AGGREGATE	AMOUNT	BENEFICIALLY OWNED BY EACH REPORTING PERSO					
	3,422,717							
10	CHECK BOX (SEE INSTR		AGGREGATE AMOUNT IN ROW (9) EXCLUDES CERTA S)	IN SHARES [_]				
11			REPRESENTED BY AMOUNT IN ROW (9)					
	9.2%							
12	TYPE OF RE	PORTIN	G PERSON (SEE INSTRUCTIONS)					
=====	IN							

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(Page 7 of 16 Pages)

CUSIP	======= NO. 004225	5108	13G	PAGE 8 OF 16
1	NAMES OF F	REPORTI	NG PERSONS ATION NOS. OF ABOVE PERSONS (ENTITIES ONLY)	
	ALAN G. WA	ALTON		
2	CHECK THE		RIATE BOX IF A MEMBER OF A GROUP (SEE INSTR	(b)[_]
3	SEC USE ON			
4	CITIZENSH	IP OR PI	ACE OF ORGANIZATION	
	United Sta	ites		
		5	SOLE VOTING POWER	
			69,132	
NUMB SHA	ER OF RES	6	SHARED VOTING POWER	
BENEFI	CIALLY D BY		3, 422, 717	
EA		7	SOLE DISPOSITIVE POWER	
	SON TH:		69,132	
		8	SHARED DISPOSITIVE POWER	
			3,422,717	
9	AGGREGATE	AMOUNT	BENEFICIALLY OWNED BY EACH REPORTING PERSON	N
	3,491,849			
10	CHECK BOX (SEE INSTR		AGGREGATE AMOUNT IN ROW (9) EXCLUDES CERTA. S)	IN SHARES $\left[_{-} ight]$
11	PERCENT OF	CLASS	REPRESENTED BY AMOUNT IN ROW (9)	
	9.4%			
12	TYPE OF RE	PORTIN	G PERSON (SEE INSTRUCTIONS)	
	IN	:=====:		

(Page 8 of 16 Pages)

PAGE 9 OF 16

ITEM 1(A). NAME OF ISSUER:

Acadia Pharmaceuticals Inc. (the "Issuer")

ITEM 1(B). ADDRESS OF ISSUER'S PRINCIPAL EXECUTIVE OFFICES:

3911 Sorrento Valley Boulevard, San Diego, CA 92121

ITEM 2(A). NAMES OF PERSONS FILING:

Oxford Bioscience Partners IV L.P. ("Oxford IV") and mRNA Fund II L.P. ("mRNA II") (collectively, the "Funds"); OBP Management IV L.P. ("OBP IV"), which is the sole general partner of Oxford IV and mRNA II; and Jeffrey T. Barnes ("Barnes"), Jonathan J. Fleming ("Fleming"), Michael E. Lytton ("Lytton") and Alan G. Walton ("Walton") (collectively, the "General Partners"), who are the general partners of OBP IV. The persons named in this paragraph are referred to individually herein as a "Reporting Person" and collectively as the "Reporting Persons."

ITEM 2(B). ADDRESS OF PRINCIPAL BUSINESS OFFICE OR, IF NONE, RESIDENCE:

The address of the principal business office of Oxford IV, mRNA II, OBP IV, Barnes, Fleming and Lytton is 222 Berkeley Street, Suite 1650, Boston, Massachusetts 02116. The address of the principal business office of Walton is 315 Post Road West, Westport, Connecticut 06880.

ITEM 2(C). CITIZENSHIP:

The Funds and OBP IV are limited partnerships organized under the laws of the State of Delaware. Each of the General Partners is a United States citizen.

ITEM 2(D). TITLE OF CLASS OF SECURITIES:

Common Stock, \$.0001 par value ("Common Stock").

ITEM 2(E). CUSIP NUMBER:

004225108.

ITEM 3. IF THIS STATEMENT IS FILED PURSUANT TO SS.SS. 240.13D-1(B) OR

240.13D-2(B) OR (C), CHECK WHETHER THE PERSON FILING IS A:

_. . . .

Not applicable.

ITEM 4. OWNERSHIP.

- (a) Amount Beneficially Owned: Oxford IV is the record owner of 3,396,738 shares of Common Stock as of December 31, 2008. mRNA II is the record owner of 25,979 shares of Common Stock as of December 31, 2008 (the shares held of record by Oxford IV and mRNA II, the "Record Shares"). As the sole general partner of Oxford IV and mRNA II, OBP IV may be deemed to own the Record Shares. As the individual general partners of OBP IV, each of the General Partners may also be deemed to share the power and direct the disposition and vote of the Record Shares. In addition, as of December 31, 2008, Walton holds the right to options to exercise 69,132 shares of Common Stock (the "Option Shares").
- (b) Percent of Class: See Line 11 of the cover sheets. The percentages set forth on the cover sheets for each Reporting Person other than Walton are calculated based on 37,142,639

(Page 9 of 16 Pages)

PAGE 10 OF 16

shares of Common Stock reported to be outstanding by the Issuer in Form 10-Q as filed with the Securities and Exchange Commission on November 5, 2008 for the period ending September 30, 2008 (the "Reported Shares"). Walton's percentage is calculated based on 37,211,771 shares, which includes the Reported Shares and the Option Shares.

- (c) Number of shares as to which such person has:
 - (i) Sole power to vote or to direct the vote: See Line 5 of cover sheets.
 - (ii) Shared power to vote or to direct the vote: See Line 6 of cover sheets.
 - (iii) Sole power to dispose or to direct the disposition of: See Line 7 of cover sheets.
 - (iv) Shared power to dispose or to direct the disposition of: See Line 8 of cover sheets.

Each Reporting Person disclaims beneficial ownership of such shares of Common Stock, except for the shares, if any, such Reporting Person holds of record.

ITEM 5. OWNERSHIP OF FIVE PERCENT OR LESS OF A CLASS.

Not applicable.

- ITEM 6. OWNERSHIP OF MORE THAN FIVE PERCENT ON BEHALF OF ANOTHER PERSON.

 Not applicable.
- THE SECURITY BEING REPORTED ON BY THE PARENT HOLDING COMPANY.

 Not applicable.
- ITEM 8. IDENTIFICATION AND CLASSIFICATION OF MEMBERS OF THE GROUP.

 Not applicable. The Reporting Persons expressly disclaim membership in a "group" as used in Rule 13d-5(b).
- ITEM 9. NOTICE OF DISSOLUTION OF GROUP.
 Not applicable.
- ITEM 10. CERTIFICATION.

 Not applicable. This statement on Schedule 13G is not filed pursuant to Rule 13d-1(b) or Rule 13d-1(c).

(Page 10 of 16 Pages)

PAGE 11 OF 16

SIGNATURE

After reasonable inquiry and to the best of its knowledge and belief, each of the undersigned certifies that the information set forth in this statement is true, complete and correct.

statement is true, complete and correct. February 10, 2009 OXFORD BIOSCIENCE PARTNERS IV L.P. By: OBP MANAGEMENT IV L.P. General Partner -----Jonathan J. Fleming General Partner mRNA FUND II L.P. OBP MANAGEMENT IV L.P. By: General Partner Jonathan J. Fleming General Partner OBP MANAGEMENT IV L.P. By: Jonathan J. Fleming General Partner - -----Jeffery T. Barnes - -----Jonathan J. Fleming - -----Michael E. Lytton

- -----

Alan G. Walton

(Page 11 of 16 Pages)

=	=	=	=	=	=	=	=	=	=	=	=	=	=	=	=	=	=	=	=	
С	U	S	Ι	P		N	0				0	0	4	2	2	5	1	0	8	
=	=	=	=	=	=	=	=	=	=	=	=	=	=	=	=	=	=	=	=	

PAGE 12 OF 16

*By: /s/ Raymond Charest

Raymond Charest As attorney-in-fact

This Amendment to Schedule 13G was executed by Raymond Charest on behalf of the individuals listed above pursuant to a Power of Attorney, a copy of which is attached as Exhibit 2.

(Page 12 of 16 Pages)

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========= PAGE 13 OF 16 =========

EXHIBIT 1

Securities Exchange Act of 1934, tement containing the information spect to the ownership by each of armaceuticals Inc.

	AGREEMENT
required	Pursuant to Rule 13d-1(k)(1) under the rsigned hereby agree that only one stat by Schedule 13G need be filed with res rsigned of shares of stock of Acadia Ph
EXECUTED	this 10th day of February, 2009.
OXFORD B	IOSCIENCE PARTNERS IV L.P.
Ву:	OBP MANAGEMENT IV L.P. General Partner
	By: *
	Jonathan J. Fleming General Partner
mRNA FUNI	O II L.P.
Ву:	OBP MANAGEMENT IV L.P. General Partner
	By: *
	Jonathan J. Fleming General Partner
OBP MANA	GEMENT IV L.P.
Ву:	*
	than J. Fleming ral Partner
:	*
Jeffery	T. Barnes
	*
Jonathan	J. Fleming
:	*
Michael H	E. Lytton

(Page 13 of 16 Pages)

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CUSIP NO. 004225108	13G	PAGE 14 OF 16
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*		
Alan G. Walton		

*By: /s/ Raymond Charest
Raymond Charest
As attorney-in-fact

This Agreement was executed by Raymond Charest on behalf of the individuals listed above pursuant to a Power of Attorney, a copy of which is attached as Exhibit 2.

(Page 14 of 16 Pages)

PAGE 15 OF 16

EXHIBIT 2

POWER OF ATTORNEY

KNOW ALL MEN BY THESE PRESENTS, that each person whose signature appears below hereby constitutes and appoints Raymond Charest, Alexia Pearsall and Jonathan J. Fleming, and each of them, with full power to act without the other, his true and lawful attorney-in-fact and agent, with full power of substitution, for him and in his name, place and stead, in any and all capacities (until revoked in writing) to sign any and all instruments, certificates and documents required to be executed on behalf of himself as an individual or in his capacity as a general partner or authorized signatory, as the case may be, on behalf of any of Oxford Bioscience Partners IV L.P., mRNA II L.P., or OBP Management IV L.P., pursuant to section 13 or 16 of the Securities Exchange Act of 1934, as amended (the "Exchange Act"), and any and all regulations promulgated thereunder and to file the same, with all exhibits thereto, and any other documents in connection therewith, with the Securities and Exchange Commission, and with any other entity when and if such is mandated by the Exchange Act or by the By-laws of the National Association of Securities Dealers, Inc., granting unto said attorney-in-fact and agent full power and authority to do and perform each and every act and thing requisite and necessary fully to all intents and purposes as he might or could do in person thereby ratifying and confirming all that said attorney-in-fact and agent, or his substitute or substitutes, may lawfully do or cause to be done by virtue hereof, or may have done in connection with the matters described above.

IN WITNESS WHEREOF, this Power of Attorney has been signed as of the 8th day of April, 2004.

OXFORD BIOSCIENCE PARTNERS IV L.P. BY ITS GENERAL PARTNER, OBP MANAGEMENT IV L.P.

By: /s/ Jonathan Fleming

Name: Jonathan J. Fleming Title: General Partner

mRNA FUND II L.P. BY ITS GENERAL PARTNER, OBP MANAGEMENT IV L.P.

By: /s/ Jonathan Fleming

Name: Jonathan J. Fleming Title: General Partner

OBP MANAGEMENT IV L.P.

By: /s/ Jonathan Fleming

Name - Janathan 2 - Elandon

Name: Jonathan J. Fleming Title: General Partner

(Page 15 of 16 Pages)

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CUSIP	NO.	004225108	

========= PAGE 16 OF 16 ==========

/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

(Page 16 of 16 Pages)

Alan G. Walton

/s/ Alan G. Walton

13G