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

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## SCHEDULE 13G

## UNDER THE SECURITIES EXCHANGE ACT OF 1934

(AMENDMENT NO. 3)\*

	Acadia Pharmaceuticals Inc.									
	(Name of Issuer)									
	Common Stock, \$.0001 par value per share									
	(Title of Class of Securities)									
	004225108									
	(CUSIP Number)									
	December 31, 2007									
	(Date of Event Which Requires Filing of this Statement	)								
Check t is file	he appropriate box to designate the rule pursuant to which t d:	his Schedule								
[_] Ru	le 13d-1(b) le 13d-1(c) le 13d-1(d)									
initial for any	* 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.									
to be " 1934 ("	ormation required in the remainder of this cover page shall filed" for the purpose of Section 18 of the Securities Excha Act") or otherwise subject to the liabilities of that sectio ll be subject to all other provisions of the Act (however, s	nge Act of n of the Act								
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CUSIP N	0. 004225108 13G ==========	PAGE 2 OF 16								
		========								
	NAMES OF REPORTING PERSONS I.R.S. IDENTIFICATION NOS. OF ABOVE PERSONS (ENTITIES ONLY)									
	OXFORD BIOSCIENCE PARTNERS IV L.P.									
2	CHECK THE APPROPRIATE BOX IF A MEMBER OF A GROUP (SEE INSTRU	CTIONS)(a)[_] (b)[_]								
3	SEC USE ONLY									
4	CITIZENSHIP OR PLACE OF ORGANIZATION									
	Delaware									

		5	SOLE VOTING POWER				
			0				
NUMBI SHAI	ER OF	6	SHARED VOTING POWER				
_	CIALLY		3,422,717				
EA	CH	7	SOLE DISPOSITIVE POWER				
REPORTING PERSON WITH:			0				
		8	SHARED DISPOSITIVE POWER				
			3,422,717				
9	AGGREGATE	AMOUNT	BENEFICIALLY OWNED BY EACH REPORTING PERSON				
	3,422,717						
10	CHECK BOX IF THE AGGREGATE AMOUNT IN ROW (9) EXCLUDES CERTAIN SHARES (SEE INSTRUCTIONS)						
11	PERCENT OF	CLASS	REPRESENTED BY AMOUNT IN ROW (9)				
	9.3%						
12	TYPE OF RE	PORTIN	G PERSON (SEE INSTRUCTIONS)				
	PN						

Page 2 of 16 pages

CUSIP	NO. 00422	25108	<b>13G</b>	PAGE 3 OF 16					
1	NAMES OF REPORTING PERSONS  I.R.S. IDENTIFICATION NOS. OF ABOVE PERSONS (ENTITIES ONLY)								
	mRNA FUNI								
2	CHECK THE APPROPRIATE BOX IF A MEMBER OF A GROUP (SEE INSTRUCTIONS)(a)[ $\_$ ] (b)[ $\_$ ]								
3	SEC USE (								
4	CITIZENS	 HIP OR PL	ACE OF ORGANIZATION						
	Delaware								
		5	SOLE VOTING POWER						
			0						
	ER OF	6	SHARED VOTING POWER						
	CIALLY		3,422,717						
EA	D BY CH	7	SOLE DISPOSITIVE POWER						
PER	RTING SON		0						
WΤ	TH:	8	SHARED DISPOSITIVE POWER						
			3,422,717						
9	AGGREGATE	E AMOUNT	BENEFICIALLY OWNED BY EACH REPORTING PERSO	N					
	3,422,717	7							
10	CHECK BOX IF THE AGGREGATE AMOUNT IN ROW (9) EXCLUDES CERTAIN SHARES (SEE INSTRUCTIONS)								
11	PERCENT (	OF CLASS	REPRESENTED BY AMOUNT IN ROW (9)						
	9.3%								
12	TYPE OF F		G PERSON (SEE INSTRUCTIONS)						
	PN								

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Page 3 of 16 pages

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CUSIP	======= NO. 004225	108	13G	PAGE 4 OF 16					
1	1 NAMES OF REPORTING PERSONS I.R.S. IDENTIFICATION NOS. OF ABOVE PERSONS (ENTITIES ONLY)								
	OBP MANAGE	MENT I							
2	CHECK THE APPROPRIATE BOX IF A MEMBER OF A GROUP (SEE INSTRUCTIONS)(a)[ $\_$ ] (b)[ $\_$ ]								
3	SEC USE ON								
4	 CITIZENSHI		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 PERSO	N					
	3,422,717								
10									
11	PERCENT OF	CLASS	REPRESENTED BY AMOUNT IN ROW (9)						
	9.3%								
12	TYPE OF RE	PORTIN	G PERSON (SEE INSTRUCTIONS)						
	PN								

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1	1 NAMES OF REPORTING PERSONS I.R.S. IDENTIFICATION NOS. OF ABOVE PERSONS (ENTITIES ONLY)								
	JEFFREY T	BARNES							
2	CHECK THE APPROPRIATE BOX IF A MEMBER OF A GROUP (SEE INSTRUCTIONS)(a)[ $\_$ ] (b)[ $\_$ ]								
3	SEC USE OF								
4	CITIZENSH	IP OR P	LACE OF ORGANIZATION						
	United Sta	ates							
		5	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 PERSO	N					
	3,422,717								
10	CHECK BOX IF THE AGGREGATE AMOUNT IN ROW (9) EXCLUDES CERTAIN SHARES (SEE INSTRUCTIONS) $\hfill \hfill \hf$								
11	PERCENT OF	F CLASS	REPRESENTED BY AMOUNT IN ROW (9)						
	9.3%								
12	TYPE OF RE	EPORTIN	G PERSON (SEE INSTRUCTIONS)						
	TN								

Page 5 of 16 pages

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CUSIP	======================================							
1	NAMES OF I	REPORTI ENTIFIC						
2	CHECK THE APPROPRIATE BOX IF A MEMBER OF A GROUP (SEE INSTRUCTIONS)(a)[_] (b)[_]							
3	SEC USE O							
4	CITIZENSH	IP OR P	LACE OF ORGANIZATION					
	United Sta	ates						
		5	SOLE VOTING POWER					
			0					
	ER OF	6	SHARED VOTING POWER					
	CIALLY		3,422,717					
EA		7	SOLE DISPOSITIVE POWER					
PER			0					
WΤ	TH:	8	SHARED DISPOSITIVE POWER					
			3,422,717					
9	AGGREGATE	AMOUNT	BENEFICIALLY OWNED BY EACH REPORTING PERSO	N				
	3,422,717							
10	CHECK BOX IF THE AGGREGATE AMOUNT IN ROW (9) EXCLUDES CERTAIN SHARES (SEE INSTRUCTIONS)							
11	PERCENT O	F CLASS	REPRESENTED BY AMOUNT IN ROW (9)					
	9.3%							
12	TYPE OF R	EPORTIN	G PERSON (SEE INSTRUCTIONS)					
	IN							

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CUSIP I	======================================								
1	NAMES OF II.R.S. ID	REPORTI ENTIFIC . LYTTO							
2	CHECK THE APPROPRIATE BOX IF A MEMBER OF A GROUP (SEE INSTRUCTIONS)(a)[ $\_$ ] (b)[ $\_$ ]								
3	SEC USE O								
4	CITIZENSH	IP OR P	LACE OF ORGANIZATION						
	United Sta	ates							
		5	SOLE VOTING POWER						
			0						
	ER OF	6	SHARED VOTING POWER						
BENEFI	RES 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 PERSO	N					
	3,422,717								
10	CHECK BOX IF THE AGGREGATE AMOUNT IN ROW (9) EXCLUDES CERTAIN SHARES (SEE INSTRUCTIONS)								
11	PERCENT O	F CLASS	REPRESENTED BY AMOUNT IN ROW (9)						
	9.3%								
12	TYPE OF R	EPORTIN	G PERSON (SEE INSTRUCTIONS)						
	IN								

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				=========			
CUSIP	NO. 00422	25108	136	PAGE 8 OF 16			
1	NAMES OF	REPORT1	NG PERSONS ATION NOS. OF ABOVE PERSONS (ENTITIES ONLY)				
	ALAN G. W	<i>I</i> ALTON					
2	CHECK THE	APPR0F	RIATE BOX IF A MEMBER OF A GROUP (SEE INSTR	RUCTIONS)(a)[_] (b)[_]			
3	SEC USE C						
4	CITIZENSH	IIP OR F	LACE OF ORGANIZATION				
	United St	ates					
		5	SOLE VOTING POWER				
			59,715				
_	BER OF	6					
BENEFI	RES CIALLY		3,422,717				
EA	D BY CH	7	SOLE DISPOSITIVE POWER				
	RTING RSON		59,715				
WI	TH:	8	SHARED DISPOSITIVE POWER				
			3,422,717				
9	AGGREGATE	AMOUNT	BENEFICIALLY OWNED BY EACH REPORTING PERSO	 N			
	3,482,432	2					
10	CHECK BOX IF THE AGGREGATE AMOUNT IN ROW (9) EXCLUDES CERTAIN SHARES (SEE INSTRUCTIONS) $\begin{bmatrix} \ \ \ \ \end{bmatrix}$						
11	PERCENT C	F CLASS	REPRESENTED BY AMOUNT IN ROW (9)				
	9.4%						
12	TYPE OF F	REPORTIN	G PERSON (SEE INSTRUCTIONS)				
	IN						

\_\_\_\_\_\_ Page 8 of 16 pages

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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:

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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 Rd. 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:

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

ITEM 2(E). CUSIP NUMBER:

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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, 2007. mRNA II is the record owner of 25,979 shares of Common Stock as of December 31, 2007 (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, 2007, Walton holds the right to options to exercise 59,715 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 36,967,340 shares of Common Stock reported to be outstanding by the

PAGE 10 OF 16

Issuer in Form 10-Q as filed with the Securities and Exchange Commission on November 5, 2007 for the period ending September 30, 2007 (the "Reported Shares"). Walton's percentage is calculated based on 37,027,055 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.

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Mark P. Carthy has ceased to be a general partner of OBP IV and accordingly is no longer deemed to share the power to direct the disposition or vote of the Record Shares.

- 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

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.

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

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	. 004225108 =======	<b>13</b> G	PAGE 11 OF =======							
		SIGNATURE								
	After reasonable inquiry the undersigned certifies t is true, complete and co	that the information se								
Date:	Date: February 11, 2008									
OXFORD B	OSCIENCE PARTNERS IV L.P.									
By:	OBP MANAGEMENT IV L.P. General Partner									
	By: *  Jonathan J. Fleming General Partner									
mRNA FUNI	O II L.P.									
By:	OBP MANAGEMENT IV L.P. General Partner									
	By: *									
	Jonathan J. Fleming General Partner									
OBP MANAG	GEMENT IV L.P.									
By: *  Jonathan J. Fleming General Partner										
,	·									
Jeffery <sup>-</sup>	Γ. Barnes									
	*									
Jonathan	J. Fleming									

Michael E. Lytton

Alan G. Walton

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========== PAGE 11 OF 16 =========

CUSIP NO. 00422	5108
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attached as Exhibit 2.

13G

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 Powers of Attorney, copies of which are

Page 12 of 16 pages

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С	U	S	Ι	Ρ		N	0				0	0	4	2	2	5	1	0	8
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Michael E. Lytton

13G

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

EXHIBIT 1

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

		AGREEMENT
required	Pursuant to Rule 13d-1(k)( rsigned hereby agree that o by Schedule 13G need be fi rsigned of shares of stock	nly one stat led with res
EXECUTED	this 11th day of February,	2008.
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 MANAC	GEMENT IV L.P.	
Ву:	*	
Jonat	than J. Fleming ral Partner	
,	*	
Jeffery 1	Γ. Barnes	
	*	
Jonathan	J. Fleming	
÷	*	

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CUSIP NO. 0042251	98 13G	PAGE 14 OF 16
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*		
Alan G. Walton		

\*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 Powers of Attorney, copies of which are attached as Exhibit 2.

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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

ama: lonathan 1 Eleming

Name: Jonathan J. Fleming Title: General Partner

OBP MANAGEMENT IV L.P.

By: /s/ Jonathan Fleming

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Name: Jonathan J. Fleming Title: General Partner

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CUSIP	NO.	004225108	
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/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

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