Flynn James E Form SC 13G February 02, 2007

SECURITIES AND EXCHANGE COMMISSION WASHINGTON, DC 20549

SCHEDULE 13G (Rule 13d-102)

INFORMATION TO BE INCLUDED IN STATEMENTS FILED PURSUANT TO RULES 13d-1(b)(c), AND (d) AND AMENDMENTS THERETO FILED PURSUANT TO RULE 13d-2(b)

(Amendment No.) *
ARENA PHARMACEUTICALS, INC.
(Name of Issuer)
Common Stock
(Title of Class of Securities)
040047102
(CUSIP Number)
January 23, 2007
(Date of Event Which Requires Filing of this Statement)
Check the appropriate box to designate the rule pursuant to which this Schedule is filed:
[_] Rule 13d-1(b)
[X] Rule 13d-1(c)
[_] 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 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).
CUSIP No. 040047102 13G
1. NAME OF REPORTING PERSONS I.R.S. IDENTIFICATION NO. OF ABOVE PERSONS (ENTITIES ONLY)
Deerfield Capital, L.P.

2.	CHECK TH	E APPF	ROPRIATE BOX IF A MEMBER OF A GROUP*	(a) (b)	[_] [X]		
3.	SEC USE ONLY						
4.	 CITIZENS	HIP OF	PLACE OF ORGANIZATION				
	Delaware						
		5.	SOLE VOTING POWER				
			0				
		6.	SHARED VOTING POWER				
BENE			1,364,641				
E		7.	SOLE DISPOSITIVE POWER				
PE	ORTING RSON		0				
W	ITH	8.	SHARED DISPOSITIVE POWER				
			1,364,641				
			THE AGGREGATE AMOUNT IN ROW (9) EXCLUDES CERTAIN SHARE	<u></u>	[_]		
12.	TYPE OF	 REPORT	 Fing person*				
PN							
			*SEE INSTRUCTIONS BEFORE FILLING OUT!				
			Page	2 of	E 13		
CUSIP	No. 0400	47102	13G				
1.			FICATION NO. OF ABOVE PERSONS (ENTITIES ONLY)				
	Deerfiel	d Part	eners, L.P.				
2.	CHECK TH	E APPE	ROPRIATE BOX IF A MEMBER OF A GROUP*	(a)			
3.	SEC USE	ONLY					

4.	CITIZENS	HTP OF	PLACE OF ORGANIZATION			
	Delaware					
		 5.	SOLE VOTING POWER			
			0			
NUM	BER OF	6.	SHARED VOTING POWER			
	ARES FICIALLY		1,364,641			
	ED BY ACH	7.	SOLE DISPOSITIVE POWER			
	ORTING RSON		0			
W	ITH	8.	SHARED DISPOSITIVE POWER			
			1,364,641			
9.	AGGREGATI	 E AMOU	UNT BENEFICIALLY OWNED BY EACH REPORTING PERSON			
	1,364,64	1				
10.	CHECK BO		THE AGGREGATE AMOUNT IN ROW (9) EXCLUDES CERTAIN			
11.	PERCENT (OF CLA	ASS REPRESENTED BY AMOUNT IN ROW (9)			
	2.32%					
12.	TYPE OF	REPORT	ING PERSON*			
	PN					
			*SEE INSTRUCTIONS BEFORE FILLING OUT!			
				Page 3 of 13		
CUSIP	No. 0400	47102	13G			
1.			TING PERSONS TICATION NO. OF ABOVE PERSONS (ENTITIES ONLY)			
	Deerfield Management Company, L.P.					
2.			ROPRIATE BOX IF A MEMBER OF A GROUP*	(a) [_] (b) [X]		
3.	SEC USE (YLNC				
4.	CITIZENS	 HIP OF	PLACE OF ORGANIZATION			

	New York				
		5.	SOLE VOTING POWER		
			0		
		6.	SHARED VOTING POWER		
BENE	ARES FICIALLY ED BY		2,125,509		
E	ACH ORTING	7.	SOLE DISPOSITIVE POWER		
PE	RSON		0		
W.	ITH	8.	SHARED DISPOSITIVE POWER		
			2,125,509		
9.	AGGREGAT	E AMOU	NT BENEFICIALLY OWNED BY EACH REPORTING PERSON		
	2,125,50	9			
10.	CHECK BO	 X IF T	HE AGGREGATE AMOUNT IN ROW (9) EXCLUDES CERTAIN	SHARES*	[_]
11.	PERCENT	OF CLA	SS REPRESENTED BY AMOUNT IN ROW (9)		
	3.61%				
12.	TYPE OF	REPORT	ING PERSON*		
	PN				
			*SEE INSTRUCTIONS BEFORE FILLING OUT!		
				Page 4 (of 12
				raye 4 ()1 13
CUSIP	No. 0400	47102	13G		
1.			ING PERSONS ICATION NO. OF ABOVE PERSONS (ENTITIES ONLY)		
	Deerfiel	d Inte	rnational Limited		
2.	CHECK TH	E APPR	OPRIATE BOX IF A MEMBER OF A GROUP*) [<u>_</u>]) [X]
3.	SEC USE				
4.	 CITIZENS	HIP OR	PLACE OF ORGANIZATION		
	British	Virgin			
		5.	SOLE VOTING POWER		

SHARES BENEFICIALLY		6.	SHARED VOTING POWER							
			2,125,509							
E	ED BY ACH	7.	SOLE DISPOSITIVE POWER							
	ORTING RSON		0							
W	ITH	8.	SHARED DISPOSITIVE POWER							
			2,125,509							
9.	AGGREGAT	E AMOUI	NT BENEFICIALLY OWNED BY EACH REPORTING PERSON							
	2,125,50	9								
10.	CHECK BO	X IF TI	HE AGGREGATE AMOUNT IN ROW (9) EXCLUDES CERTAIN	SHARES*	[_]					
11.	PERCENT (OF CLA	SS REPRESENTED BY AMOUNT IN ROW (9)							
	3.61%									
12.	TYPE OF REPORTING PERSON*									
	CO									
				Page 5 of	13					
CUSIP	No. 0400	47102	13G							
1.			ING PERSONS ICATION NO. OF ABOVE PERSONS (ENTITIES ONLY)							
	James E.	Flynn								
2.	CHECK TH	E APPRO	OPRIATE BOX IF A MEMBER OF A GROUP*	(a) (b)						
3.	SEC USE									
4.			PLACE OF ORGANIZATION							
	United S	tates 								
		5.	SOLE VOTING POWER							
	BER OF ARES	6.	SHARED VOTING POWER							
BENE	FICIALLY ED BY		3,490,150							

EACH REPORTING PERSON WITH		7.	SOLE DISPOSITIVE POWER	
W.	IIU	8.	SHARED DISPOSITIVE POWER	
			3,490,150	
9.	AGGREG	ATE AMOUN	NT BENEFICIALLY OWNED BY EACH REPORTING PERSON	
	3,490,	150		
10.	CHECK	BOX IF TH	HE AGGREGATE AMOUNT IN ROW (9) EXCLUDES CERTAIN SHARES*	[_]
11.		T OF CLAS	SS REPRESENTED BY AMOUNT IN ROW (9)	
	5.92% 			
12.	TYPE C	F REPORTI	ING PERSON*	
			*SEE INSTRUCTIONS BEFORE FILLING OUT!	
			Page 6 d	of 13
CUSIP	No.	040047102	2	
Item	1(a).	Name of I	Issuer:	
		ARENA PHA	ARMACEUTICALS, INC.	
Item	1(b).	Address o	of Issuer's Principal Executive Offices:	
			cy Ridge Drive o, California 92121	
Item :	2(a).	Name of E	Person Filing:	
			Flynn, Deerfield Capital, L.P., Deerfield Partners, L.Id Management Company, L.P., Deerfield International Limit	
Item :	2(b).	Address o	of Principal Business Office, or if None, Residence:	
		Deerfield New York, Managemer	Flynn, Deerfield Capital, L.P., Deerfield Partners, L.I d Management Company, L.P., 780 Third Avenue, 37th Floor, NY 10017, Deerfield International Limited, c/o Bisys at, Bison Court, Columbus Centre, P.O. Box 3460, Road To British Virgin Islands	r,
Item :	2(c).	Citizensh	nip:	

Mr. Flynn - United States citizen

Deerfield Capital, L.P. and Deerfield Partners, L.P.- Delaware limited partnerships Deerfield Management Company, L.P. - New York limited partnership Deerfield International Limited - British Virgin Islands corporation Item 2(d). Title of Class of Securities: Common Stock _____ Item 2(e). CUSIP Number: 040047102 _____ Item 3. If This Statement is Filed Pursuant to Rule 13d-1(b), or 13d-2(b) or (c), Check Whether the Person Filing is a: [_] Broker or dealer registered under Section 15 of the Exchange (a) Act. [_] Bank as defined in Section 3(a)(6) of the Exchange Act. (b) [_] Insurance company as defined in Section 3(a)(19) of the Exchange (C) [_] Investment company registered under Section 8 of the Investment (d) Company Act. $[_]$ An investment adviser in accordance with Rule (e) 13d-1(b)(1)(ii)(E); (f) [_] An employee benefit plan or endowment fund in accordance with Rule 13d-1(b)(1)(ii)(F); (g) [_] A parent holding company or control person in accordance with Rule 13d-1(b)(1)(ii)(G); [_] A savings association as defined in Section 3(b) of the Federal (h) Deposit Insurance Act; [_] A church plan that is excluded from the definition of an (i) investment company under Section 3(c)(14) of the Investment Company Act; [_] Group, in accordance with Rule 13d-1(b)(1)(ii)(J). (j)

Page 7 of 13

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:

Deerfield Capital, L.P. - 1,364,641 shares
Deerfield Partners, L.P. - 1,364,641 shares
Deerfield Management Company, L.P. - 2,125,509 shares
Deerfield International Limited - 2,125,509 shares
James E. Flynn - 3,490,150 shares

(b) Percent of class:

Deerfield Capital, L.P. - 2.32% Deerfield Partners, L.P. - 2.32% Deerfield Management Company, L.P. - 3.61%

Deerfield International Limited - 3.61% James E. Flynn - 5.92%

- (c) Number of shares as to which such person has:
 - (i) Sole power to vote or to direct the vote All Reporting Persons 0
 - (ii) Shared power to vote or to direct the vote Deerfield Capital,

Deerfield Capital,
L.P. - 1,364,641
Deerfield Partners,
L.P. - 1,364,641
Deerfield
Management Company,
L.P. - 2,125,509
Deerfield
International
Limited - 2,125,509
James E. Flynn 3,490,150

Page 8 of 13

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

All Reporting Persons - 0

Deerfield Capital, L.P. - 1,364,641 Deerfield Partners, L.P. - 1,364,641 Deerfield Management Company, L.P. - 2,125,509 Deerfield International Limited - 2,125,509 James E. Flynn -3,490,150

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 [].

Item 6. Ownership of More Than Five Percent on Behalf of Another Person.

If any other person is known to have the right to receive or the power to direct the receipt of dividends from, or the proceeds from the sale of, such securities, a statement to that effect should be included in response to this item and, if such interest relates to more than five percent of the class, such person should be identified. A listing of the shareholders of an investment company registered under the Investment Company Act of 1940 or the beneficiaries of employee benefit plan, pension fund or endowment fund is not required.

N/A	

Item 7. Identification and Classification of the Subsidiary Which Acquired the Security Being Reported on by the Parent Holding Company or Control Person.

If a parent holding company or Control person has filed this schedule, pursuant to Rule 13d-1(b) (1) (ii) (G), so indicate under Item 3(g) and attach an exhibit stating the identity and the Item 3 classification of the relevant subsidiary. If a parent holding company or control person has filed this schedule pursuant to Rule 13d-1(c) or Rule 13d-1(d), attach an exhibit stating the identification of the relevant subsidiary.

N/A	

Page 9 of 13

Item 8. Identification and Classification of Members of the Group.

If a group has filed this schedule pursuant to ss.240.13d-1(b)(1)(ii)(J), so indicate under Item 3(j) and attach an exhibit stating the identity and Item 3 classification of each member of the group. If a group has filed this schedule pursuant to ss.240.13d-1(c) or ss.240.13d-1(d), attach an exhibit stating the identity of each member of the group.

See Exhibit B

Item 9. Notice of Dissolution of Group.

Notice of dissolution of a group may be furnished as an exhibit stating the date of the dissolution and that all further filings with respect to transactions in the security reported on will be filed, if required, by members of the group, in their individual capacity. See Item 5.

N/A ------

Item 10. Certifications.

"By signing below I certify that, to the best of my 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 such purpose or effect."

Page 10 of 13

SIGNATURE

After reasonable inquiry and to the best of my knowledge and belief, I certify that the information set forth in this statement is true, complete and correct.

DEERFIELD CAPITAL, L.P. By: J.E. Flynn Capital LLC, General Partner By: /s/ Darren Levine _____ Darren Levine, Authorized Signatory DEERFIELD PARTNERS, L.P. By: Deerfield Capital, L.P. By: J.E. Flynn Capital LLC, General Partner By: /s/ Darren Levine Darren Levine, Authorized Signatory DEERFIELD MANAGEMENT COMPANY, L.P. By: Flynn Management LLC General Partner By: /s/ Darren Levine _____ Darren Levine, Authorized Signatory DEERFIELD INTERNATIONAL LIMITED By: Deerfield Management Company By: Flynn Management LLC, General Partner By: /s/ Darren Levine Darren Levine, Authorized Signatory JAMES E. FLYNN /s/ Darren Levine _____ Darren Levine, Attorney-in-Fact Date: January 28, 2007

Page 11 of 13

Exhibit A

Agreement

The undersigned agree that this Schedule 13G and all amendments thereto, relating to the Common Stock of ARENA PHARMACEUTICALS, INC. shall be filed on behalf of the undersigned.

DEERFIELD CAPITAL, L.P.

By: J.E. Flynn Capital LLC, General Partner

By: /s/ Darren Levine
Darren Levine, Authorized Signatory

DEERFIELD PARTNERS, L.P.

By: Deerfield Capital, L.P.

By: J.E. Flynn Capital LLC, General Partner

By: /s/ Darren Levine
-----Darren Levine, Authorized Signatory

DEERFIELD MANAGEMENT COMPANY

By: Flynn Management LLC General Partner

By: /s/ Darren Levine
Darren Levine, Authorized Signatory

DEERFIELD INTERNATIONAL LIMITED

By: Deerfield Management Company

By: Flynn Management LLC, General Partner

By: /s/ Darren Levine
Darren Levine, Authorized Signatory

JAMES E. FLYNN

Page 12 of 13

Exhibit B

Due to the relationships between them, the reporting persons hereunder (other than Arnold H. Snider) may be deemed to constitute a "group" with one another for purposes of Section 13(d)(3) of the Securities Exchange Act of 1934.

Page 13 of 13