ARENA PHARMACEUTICALS INC Form SC 13G/A May 07, 2002

OMB APPROVAL

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

SCHEDULE 13G

Under the Securities Exchange Act of 1934 (Amendment No. 1)

Arena Pharmaceuticals (Name of Issuer)

Common Shares (Title of Class of Securities)

040047102 (CUSIP Number)

April 30, 2002 (Date of Event Which Requires Filing of this Statement)

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

/_X_/ Rule 13d-2

* 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 disclosures provided in a prior cover page.

The information required on 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).

Potential persons who are to respond to the collection of information contained in this form are not required to respond unless the form displays a currently valid OMB control number.

SEC 1745 (3-98) Page 1 of 10

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NAME OF REPORTING PERSONS IRS IDENTIFICATION NOS. OF ABOVE PERSONS (ENTITIES ONLY)

RS Investment Management Co. LLC

1

2	(a) / / (b) / /	BOX IF A MEMBER OF A GROUP (See Instructions)						
3	SEC USE ONLY							
4	CITIZENSHIP OR PLACE OF ORGANIZATION							
	Delaware							
	NUMBER OF 5 SHARES	SOLE VOTING POWER						
	BENEFICIALLY OWNED BY EACH	6 SHARED VOTING POWER -661,750-						
	REPORTING PERSON WITH	7 SOLE DISPOSITIVE POWER -0-						
		8 SHARED DISPOSITIVE POWER -661,750-	-					
	AGGREGATE AMOUNT BENEFICIALLY OWNED BY EACH REPORTING PERSON -661,750-							
10	CHECK IF THE AGGREGATE uctions)	AMOUNT IN ROW (9) EXCLUDES CERTAIN SHARES (See						
11	PERCENT OF CLASS REPRESENTED BY AMOUNT IN ROW 9 2.4%							
12	TYPE OF REPORTING PERSON (See Instructions) OO, HC							
CUSIP	No. 040047102	13G	Page 3 of 1					
1	NAME OF REPORTING PERSONS IRS IDENTIFICATION NOS. OF ABOVE PERSONS (ENTITIES ONLY)							
	RS Investment Management, L.P.							
2	CHECK THE APPROPRIATE BOX IF A MEMBER OF A GROUP (See Instructions) (a) / / (b) / /							
3	SEC USE ONLY							
4	CITIZENSHIP OR PLACE OF ORGANIZATION							
	California							
	NUMBER OF 5 SHARES							
	BENEFICIALLY OWNED BY	6 SHARED VOTING POWER						

EACH REPORTING PERSON WITH	 7	-661,750- SOLE DISPOSITIVE POWER					
	7						
		-0-					
	8	SHARED DISPOSITIVE POWER -661,750-		-			
AGGREGATE AMOUNT BENEFICIALLY OWNED BY EACH REPORTING PERSON -661,750-							
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PERCENT OF CLASS REPRESENTED BY AMOUNT IN ROW 9 2.4%							
TYPE OF REPORTING PERSON (See Instructions) PN, IA							
. 040047102		13G		Page 4 of 1			
NAME OF REPORTING PERSONS IRS IDENTIFICATION NOS. OF ABOVE PERSONS (ENTITIES ONLY)							
RS Diversified Grow	vth Fund						
CHECK THE APPROPRIATE BOX IF A MEMBER OF A GROUP (See Instructions) (a) / / (b) / /							
SEC USE ONLY							
CITIZENSHIP OR PLACE OF ORGANIZATION							
Massachusetts							
SHARES							
OWNED BY EACH		-538,200-					
PERSON WITH		SOLE DISPOSITIVE POWER -0-					
	8	SHARED DISPOSITIVE POWER -538,200-					
AGGREGATE AMOUNT BENEFICIALLY OWNED BY EACH REPORTING PERSON -538,200-							
CHECK IF THE AGGREC			SHARES (See				
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	2.0%				
12	TYPE OF REPORTI	NG PERSON (See Ir	nstructions)		
CUSIP N	0. 040047102		13G	1	Page 5 of 10
ITEM 1.					
(a "Issuer		he issuer is Arer	na Pharmaceuticals	(the	
(b 6166 Na		executive office San Diego, CA	e of the Issuer is 02121.	located at:	
ITEM 2.					
	-c) See Annex I nt (collectively		on the persons fil	ing this	
(d (the "S		t relates to shar	res of common stock	of the Issuer	
(e) The CUSIP num	ber of the Stock	is 040047102.		
CUSIP N	o. 040047102		13G	1	Page 6 of 10
		-	suant to rule 240.1 person filing is a:	3d-1(b) or	
U.S.C.	(a) 78o).	Broker or dealer	registered under	section 15 of	the Act (15
78c).	(b)	Bank as defined	in section 3(a)(6)	of the Act (1	5 U.S.C.
(15 U.S	(c) .C. 78c).	Insurance compar	ny as defined in se	ction 3(a)(19)	of the Act
Investm	(d) ent Company Act	Investment compa of 1940 (15 U.S.C	any registered unde C. 80a-8).	r section 8 of	the
1(b)(1)	(e) (ii)(E).	An investment ac	dviser in accordanc	e with 240.13d	_
with 24	(f) 0.13d-1(b)(1)(ii		efit plan or endowm	ent fund in ac	cordance
with 24	(g) 0.13d-1(b)(1)(ii		g company or contro	l person in ac	cordance
Federal		A savings associce Act (12 U.S.C.	ation as defined i 1813).	n section 3(b)	of the
	(i) ent company unde 5 U.S.C. 80a-3).	r section 3(c)(14	nat is excluded fro l) of the Investmen		

(j) $_{X_{-}}$ Group, in accordance with section 240.13d-1(b)(1)(ii)(J)

CUSIP No. 040047102

13G

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ITEM 4. OWNERSHIP

See Items 5-9 and 11 on the cover page for each Filer.

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 $/_X$.

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

Not applicable.

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ITEM 7. IDENTIFICATION AND CLASSIFICATION OF THE SUBSIDIARY WHICH ACQUIRED THE SECURITY BEING REPORTED ON BY THE PARENT HOLDING COMPANY

Not applicable.

ITEM 8. IDENTIFICATION AND CLASSIFICATION OF MEMBERS OF THE GROUP

See Annex I

ITEM 9. NOTICE OF DISSOLUTION OF GROUP

Not applicable.

ITEM 10. CERTIFICATION

By signing below I certify that, to the best of my knowledge and belief, the securities referred to above were acquired and are held in the ordinary course of business and 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.

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.

Dated: May 6, 2002

RS INVESTMENT MANAGEMENT CO. LLC

By: /s/ G. Randall Hecht

G. Randall Hecht

Chief Executive Officer

RS INVESTMENT MANAGEMENT, LP.

By: /s/ G. Randall Hecht G. Randall Hecht

Chief Executive Officer

RS DIVERSIFIED GROWTH FUND

By: RS Investment Management, L.P.

Investment Adviser

By: /s/ G. Randall Hecht

G. Randall Hecht

Chief Executive Officer

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EXHIBIT A

JOINT FILING AGREEMENT

The undersigned hereby agree that they are filing this statement jointly pursuant to Rule 13d-1(f) (1). Each of them is responsible for the timely filing of the Schedule 13G and any amendments thereto, and for the completeness and accuracy of the information concerning such person contained therein; but none of them is responsible for the completeness or accuracy of the information concerning the other persons making the filing, unless such person knows or has reason to believe that such information is accurate.

Dated: May 6, 2002

RS INVESTMENT MANAGEMENT CO. LLC

By: /s/ G. Randall Hecht

G. Randall Hecht

Chief Executive Officer

RS INVESTMENT MANAGEMENT, LP.

By: /s/ G. Randall Hecht

G. Randall Hecht

Chief Executive Officer

RS DIVERSIFIED GROWTH FUND

By: RS Investment Management, L.P.

Investment Adviser

By: /s/ G. Randall Hecht

G. Randall Hecht

Chief Executive Officer

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Annex I

The filers are:

- I. (a) RS Investment Management Co. LLC, is a Delaware Limited Liability Company.
- (b) holding company
- II. (a) RS Investment Management, L.P. is a California Limited Partnership
- (b) registered investment adviser
- III. (a) RS Diversified Growth Fund is a series of a Mass. Business Trust.

(b) investment company