

ARENA PHARMACEUTICALS INC
Form SC 13D
June 13, 2002

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**UNITED STATES
SECURITIES AND EXCHANGE COMMISSION**

Washington, DC 20549

SCHEDULE 13D

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

Arena Pharmaceuticals, Inc.
(Name of Issuer)

Common Stock
(Title of Class of Securities)

040047 10 2
(CUSIP Number)

**Hope Flack
BVF Partners L.P
227 West Monroe Street, Suite 4800
Chicago, Illinois 60606
(312) 263-7777**
(Name, Address and Telephone Number of Person
Authorized to Receive Notices and Communications)

June 11, 2002
(Date of Event Which Requires Filing of this Statement)

If the filing person has previously filed a statement on Schedule 13G to report the acquisition which is the subject of this Schedule 13D, and is filing this schedule because of §§ 240.13d-1(e), 240.13d-1(f) or 240.13d-1(g), check the following box /x/

Note: Schedules filed in paper format shall include a signed original and five copies of the schedule, including all exhibits. See §240.13d-7 for other parties to whom copies are to be sent.

(Continued on following pages)

(Page 1 of 9 Pages)

1
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*).

CUSIP No. 040047 10 2

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Page 2 of 9 Pages

1 NAME OF REPORTING PERSON:

Biotechnology Value Fund, L.P.

I.R.S. IDENTIFICATION NO. OF ABOVE PERSON (ENTITIES ONLY):

2 CHECK THE APPROPRIATE BOX IF A MEMBER OF A GROUP* (a) /x/

(b) //

3 SEC USE ONLY

4 SOURCE OF FUNDS*
WC

5 CHECK BOX IF DISCLOSURE OF LEGAL PROCEEDINGS IS REQUIRED PURSUANT TO ITEM 2(d) or 2(e)

//

6 CITIZENSHIP OR PLACE OF ORGANIZATION
Delaware

NUMBER OF SHARES BENEFICIALLY OWNED BY EACH REPORTING PERSON WITH

7 SOLE VOTING POWER
0

8 SHARED VOTING POWER
1,715,820

9 SOLE DISPOSITIVE POWER
0

10 SHARED DISPOSITIVE POWER
1,715,820

11 AGGREGATE AMOUNT BENEFICIALLY OWNED BY EACH REPORTING PERSON
1,715,820

12 CHECK BOX IF THE AGGREGATE AMOUNT IN ROW (11) EXCLUDES CERTAIN SHARES*
//

13 PERCENT OF CLASS REPRESENTED BY AMOUNT IN ROW (11)
6.2%

14 TYPE OF REPORTING PERSON*
PN

***SEE INSTRUCTIONS BEFORE FILLING OUT!**

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1 NAME OF REPORTING PERSON:
Biotechnology Value Fund II, L.P.
I.R.S. IDENTIFICATION NO. OF ABOVE PERSON (ENTITIES ONLY):

2 CHECK THE APPROPRIATE BOX IF A MEMBER OF A GROUP* (a) /x/
(b) //

3 SEC USE ONLY

4 SOURCE OF FUNDS*
WC

5 CHECK BOX IF DISCLOSURE OF LEGAL PROCEEDINGS IS REQUIRED PURSUANT TO ITEM 2(d) or 2(e)
//

6 CITIZENSHIP OR PLACE OF ORGANIZATION
Delaware

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NUMBER OF SHARES BENEFICIALLY OWNED BY EACH REPORTING PERSON WITH

7 SOLE VOTING POWER
0

8 SHARED VOTING POWER
1,118,300

9 SOLE DISPOSITIVE POWER
0

10 SHARED DISPOSITIVE POWER
1,118,300

11 AGGREGATE AMOUNT BENEFICIALLY OWNED BY EACH REPORTING PERSON
1,118,300

12 CHECK BOX IF THE AGGREGATE AMOUNT IN ROW (11) EXCLUDES CERTAIN SHARES*
//

13 PERCENT OF CLASS REPRESENTED BY AMOUNT IN ROW (11)
4.0%

14 TYPE OF REPORTING PERSON*
PN

***SEE INSTRUCTIONS BEFORE FILLING OUT!**

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1 NAME OF REPORTING PERSON:
BVF Investments, L.L.C.
I.R.S. IDENTIFICATION NO. OF ABOVE PERSON (ENTITIES ONLY):

2 CHECK THE APPROPRIATE BOX IF A MEMBER OF A GROUP* (a) (b)

3 SEC USE ONLY

4 SOURCE OF FUNDS*
WC

5 CHECK BOX IF DISCLOSURE OF LEGAL PROCEEDINGS IS REQUIRED PURSUANT TO ITEM 2(d) or 2(e)
//

6 CITIZENSHIP OR PLACE OF ORGANIZATION
Delaware

NUMBER OF SHARES BENEFICIALLY OWNED BY EACH
REPORTING PERSON WITH

7 SOLE VOTING POWER
0

8 SHARED VOTING POWER
2,552,800

9 SOLE DISPOSITIVE POWER
0

10 SHARED DISPOSITIVE POWER
2,552,800

11 AGGREGATE AMOUNT BENEFICIALLY OWNED BY EACH REPORTING PERSON
2,552,800

12 CHECK BOX IF THE AGGREGATE AMOUNT IN ROW (11) EXCLUDES CERTAIN SHARES*
//

13 PERCENT OF CLASS REPRESENTED BY AMOUNT IN ROW (11)
9.2%

14 TYPE OF REPORTING PERSON*
OO

SEE INSTRUCTIONS BEFORE FILLING OUT!

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1 NAME OF REPORTING PERSON:

BVF Partners L.P.

I.R.S. IDENTIFICATION NO. OF ABOVE PERSON (ENTITIES ONLY):

2 CHECK THE APPROPRIATE BOX IF A MEMBER OF A GROUP* (a) /x/

(b) //

3 SEC USE ONLY

4 SOURCE OF FUNDS*
OO

5 CHECK BOX IF DISCLOSURE OF LEGAL PROCEEDINGS IS REQUIRED PURSUANT TO ITEM 2(d) or 2(e)
//

6 CITIZENSHIP OR PLACE OF ORGANIZATION
Delaware

NUMBER OF SHARES BENEFICIALLY OWNED BY EACH REPORTING PERSON WITH

7 SOLE VOTING POWER
0

8 SHARED VOTING POWER
5,614,120

9 SOLE DISPOSITIVE POWER
0

10 SHARED DISPOSITIVE POWER
5,614,120

11 AGGREGATE AMOUNT BENEFICIALLY OWNED BY EACH REPORTING PERSON
5,614,120

12 CHECK BOX IF THE AGGREGATE AMOUNT IN ROW
(11) EXCLUDES CERTAIN SHARES*

//

13 PERCENT OF CLASS REPRESENTED BY AMOUNT IN ROW (11)
20.3%

14 TYPE OF REPORTING PERSON*
PN

***SEE INSTRUCTIONS BEFORE FILLING OUT!**

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1 NAME OF REPORTING PERSON:

BVF Inc.

I.R.S. IDENTIFICATION NO. OF ABOVE PERSON (ENTITIES ONLY):

2 CHECK THE APPROPRIATE BOX IF A MEMBER OF A GROUP* (a) /x/

(b) //

3 SEC USE ONLY

4 SOURCE OF FUNDS*

OO

5 CHECK BOX IF DISCLOSURE OF LEGAL PROCEEDINGS IS REQUIRED PURSUANT TO ITEM 2(d) or 2(e)

//

6 CITIZENSHIP OR PLACE OF ORGANIZATION
Delaware

NUMBER OF SHARES BENEFICIALLY OWNED BY EACH
REPORTING PERSON WITH

7 SOLE VOTING POWER
0

8 SHARED VOTING POWER
5,614,120

9 SOLE DISPOSITIVE POWER
0

10 SHARED DISPOSITIVE POWER
5,614,120

11 AGGREGATE AMOUNT BENEFICIALLY OWNED BY EACH REPORTING PERSON
5,614,120

12 CHECK BOX IF THE AGGREGATE AMOUNT IN ROW (11) EXCLUDES CERTAIN SHARES*

//

13 PERCENT OF CLASS REPRESENTED BY AMOUNT IN ROW (11)
20.3%

14 TYPE OF REPORTING PERSON*
IA, CO

***SEE INSTRUCTIONS BEFORE FILLING OUT!**

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ITEM 1. SECURITY AND ISSUER.

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This Statement on Schedule 13D (this "Statement") relates to the Common Stock, par value \$0.0001 per share (the "Stock"), of Arena Pharmaceuticals, Inc., a Delaware corporation ("Arena"). The principal executive office of Arena is located at 6166 Nancy Ridge Drive, San Diego, California 92121.

ITEM 2. IDENTITY AND BACKGROUND.

The persons filing this Statement, the persons enumerated in Instruction C of this Statement and, where applicable, their respective places of organization, principal business, principal office, general partners, managers, directors, executive officers, controlling persons and certain information regarding each of them, are as follows:

- (a) Biotechnology Value Fund, L.P., a Delaware limited partnership ("BVF"), Biotechnology Value Fund II, L.P., a Delaware limited partnership ("BVF2"), BVF Investments L.L.C., a Delaware limited liability company ("Investments"), BVF Partners L.P., a Delaware limited partnership ("Partners") and BVF Inc., a Delaware corporation ("BVF Inc.") specialize in holding biotechnology stocks for investment purposes. Together, BVF, BVF2, Investments, Partners and BVF Inc. are the "Reporting Persons." Mark N. Lampert, an individual, is the sole shareholder, sole director and an officer of BVF Inc.
- (b) The business address of BVF, BVF2, Investments and Partners is 227 West Monroe Street, Suite 4800, Chicago, Illinois 60606. The business address of BVF Inc. and Lampert is One Sansome Street, 31st Floor, San Francisco, California 94104.
- (c) Partners is the general partner of BVF and BVF2, which are investment limited partnerships. Partners also is the manager of Investments. BVF Inc. is an investment advisor to and general partner of Partners. For Lampert's occupation, please refer to (a) above.
- (d) During the last five years, neither the Reporting Persons nor Lampert has been convicted in a criminal proceeding (excluding traffic violations and similar misdemeanors).
- (e) During the last five years, neither the Reporting Persons nor Lampert has been a party to a civil proceeding of a judicial or administrative body of competent jurisdiction nor, as a result of such proceeding, was or is subject to a judgment, decree or final order enjoining future violations of, or prohibiting or mandating activities subject to, federal or state securities laws or finding any violation with respect to such laws.
- (f) Lampert is a citizen of the United States of America. For the citizenship of each of BVF, BVF2, Investments, Partners, and BVF Inc., please refer to (a) above.

ITEM 3. SOURCE AND AMOUNT OF FUNDS OR OTHER CONSIDERATION.

Since April 12, 2002, Partners, in its capacity as (i) general partner of BVF, has purchased on behalf of such limited partnership an aggregate number of 777,600 shares of the Stock for an aggregate consideration of \$6,215,443.60, utilizing funds provided by BVF from its working capital pursuant to the terms of its limited partnership agreement with Partners; (ii) general partner of BVF2, has purchased on behalf of such limited partnership an aggregate number of 510,000 shares of the Stock for an aggregate consideration of \$4,081,089.30, utilizing funds provided by BVF2 from its working capital pursuant to the terms of its limited partnership agreement with Partners; and (iii) manager of Investments, has purchased on behalf of such limited liability company an aggregate number of 1,187,000 shares of the Stock for an aggregate consideration of \$9,491,262.70 utilizing funds provided by Investments from its working capital pursuant to the terms of its investment advisory agreement with Partners.

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ITEM 4. PURPOSE OF TRANSACTIONS.

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The sole purpose of the acquisitions of the shares of Stock reported herein was for investment. The Reporting Persons did not at the time they acquired the shares of Stock, and do not presently, have any plan to acquire control of Arena. The Reporting Persons may provide constructive input regarding measures intended to maximize shareholder value. The Reporting Persons may acquire or dispose of additional shares of Stock from time to time.

ITEM 5. INTEREST IN SECURITIES OF THE ISSUER.

- (a) BVF beneficially owns 1,715,820 shares of the Stock, BVF2 beneficially owns 1,118,300 shares of the Stock, Investments beneficially owns 2,552,800 shares of the Stock and each of Partners and BVF Inc. beneficially owns 5,614,120 shares of the Stock, representing approximately 6.2%, 4.0%, 9.2% and 20.3%, respectively, of the aggregate number of shares of common stock outstanding as of April 30, 2002.
- (b) Each of BVF, BVF2 and Investments shares with Partners voting and dispositive power over the shares of the Stock each such entity beneficially owns. Partners and BVF Inc. share voting and dispositive power over the 5,614,120 shares of the Stock they beneficially own with, in addition to BVF, BVF2 and Investments, Investment 10, L.L.C., an Illinois limited liability company ("ILL10") and managed account on whose behalf Partners, as investment advisor, purchased such shares. ILL10 specializes in holding biotechnology stocks for investment purposes and its business address is 227 West Monroe Street, Suite 4800, Chicago, Illinois 60606.
- (c) Exhibit 2 attached hereto contains information as to all transactions in the Stock by the Reporting Persons during the last 60 days. All such transactions were made for cash in open market, over-the-counter transactions. No other transactions in the Stock have been effected by the Reporting Persons during the last 60 days.
- (d) ILL10 is entitled to receive dividends and any sale proceeds with respect to shares of the Stock in proportion to its respective ownership interest therein.

ITEM 6. CONTRACTS, ARRANGEMENTS, UNDERSTANDINGS OR RELATIONSHIPS WITH RESPECT TO SECURITIES OF THE ISSUER.

Partners is the general partner of each of BVF and BVF2 pursuant to limited partnership agreements which authorize Partners, among other things, to invest the funds of BVF and BVF2 in shares of the Stock and to vote, exercise or convert and dispose of such shares. Pursuant to such limited partnership agreements, Partners is entitled to allocations based on assets under management. Pursuant to an investment advisory agreement with Investments, Partners is authorized, among other things, to invest Investment's funds in shares of the Stock and to vote, exercise or convert and dispose of such shares and is entitled to allocations based on assets under management. Pursuant to an investment management agreement with ILL10, Partners and BVF Inc. have the authority, among other things, to invest funds of ILL10 in shares of the Stock and to vote, exercise or convert and dispose of such shares. Pursuant to such investment management agreement, Partners and BVF Inc. receive fees based on assets under management and realized and unrealized gains thereon. BVF Inc. is the general partner of Partners and may be deemed to own beneficially securities over which Partners exercises voting and dispositive power.

ITEM 7. MATERIAL TO BE FILED AS EXHIBITS.

Exhibit 1 Agreement Regarding Joint Filing

Exhibit 2 Transactions in the Stock by Reporting Persons during the last 60 days.

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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: June 13, 2002

BIOTECHNOLOGY VALUE FUND, L.P.

By: BVF Partners L.P., its general partner

By: BVF Inc., its general partner

By: /s/ MARK N. LAMPERT

Mark N. Lampert
President

BIOTECHNOLOGY VALUE FUND II, L.P.

By: BVF Partners L.P., its general partner

By: BVF Inc., its general partner

By: /s/ MARK N. LAMPERT

Mark N. Lampert
President

BVF INVESTMENTS L.L.C.

By: BVF Partners L.P., its manager

By: BVF Inc., its general partner

By: /s/ MARK N. LAMPERT

Mark N. Lampert
President

BVF PARTNERS L.P.

By: BVF Inc., its general partner

By: /s/ MARK N. LAMPERT

Mark N. Lampert
President

BVF INC.

By: /s/ MARK N. LAMPERT

Mark N. Lampert
President

QuickLinks

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ITEM 7. MATERIAL TO BE FILED AS EXHIBITS.