ATHEROGENICS INC Form SC 13G/A August 20, 2002

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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 13d-2(b)

(Amendment No. 5)¹

Atherogenics, Inc.

(Name of Issuer)

Common Stock

(Title of Class of Securities)

047439 10 4

(CUSIP Number)

August 16, 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:

- o Rule 13d-1(b)
- ý Rule 13d-1(c)
- Rule 13d-1(d)

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 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. 047439 10 4	13G	Page 2 of 9 Pages

NAME OF REPORTING PERSON:

Biotechnology Value Fund, L.P.

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.

2	CHECK THE APPROPRIATE BOX IF A MEMBER OF A GROUP*				
3	SEC USE ONLY				
4	CITIZENSHIP OR PI	LACE OF	ORGANIZATION		
	Delaware				
	NUMBER OF SHARES	5	SOLE VOTING POWER 0		
	BENEFICIALLY OWNED BY	6	SHARED VOTING POWER 600,870		
	EACH REPORTING PERSON	7	SOLE DISPOSITIVE POWER 0		
	WITH 8		SHARED DISPOSITIVE POWER 600,870		
9	AGGREGATE AMO	UNT BEI	REFICIALLY OWNED BY EACH REPORTING PERSON		
	600,870				
10	CHECK BOX IF THE AGGREGATE AMOUNT IN ROW (9) EXCLUDES CERTAIN SHARES*				
11	PERCENT OF CLAS	S REPRE	SENTED BY AMOUNT IN ROW 9	_	
	2.2%				
12	TYPE OF REPORTIN	NG PERS	ON*		
	PN				
			* SEE INSTRUCTIONS BEFORE FILLING OUT!		
CU	SIP NO. 047439 10 4		13G	Page 3 of 9 Pages	
1	NAME OF REPORTI	ING PER	SON:		

Biotechnology Value Fund II, L.P.

4 (SEC USE ONLY CITIZENSHIP OR PL Delaware	LACE OF ORGA				
		LACE OF ORGA				
1	Delaware		NIZATION			
	NUMBER OF SHARES	5 SOL 0	E VOTING POWER			
F	BENEFICIALLY OWNED BY		SHARED VOTING POWER 295,700 SOLE DISPOSITIVE POWER 0			
	EACH REPORTING PERSON					
	WITH	8 SHA 295 ,	RED DISPOSITIVE POWER 700			
9	AGGREGATE AMO	UNT BENEFICI	ALLY OWNED BY EACH REPORTING PERSON			
2	295,700					
10	CHECK BOX IF THE AGGREGATE AMOUNT IN ROW (9) EXCLUDES CERTAIN SHARES*					
11 I	PERCENT OF CLAS	S REPRESENTE	ED BY AMOUNT IN ROW 9			
1	1.1%					
12	TYPE OF REPORTIN	NG PERSON*				
]	PN					
			* SEE INSTRUCTIONS BEFORE FILLING OUT!			
CUSI	P NO. 047439 10 4		13G	Page 4 of 9 Pages		
	NAME OF REPORTI	DIG DEFE	·			

BVF Investments, L.L.C.

2	CHECK THE APPROPRIATE BOX IF A MEMBER OF A GROUP*				
3	SEC USE ONLY				
4	CITIZENSHIP OR PI	LACE OF	ORGANIZATION	_	
	Delaware				
	NUMBER OF SHARES	5	SOLE VOTING POWER 0		
	BENEFICIALLY OWNED BY	6	SHARED VOTING POWER 770,500		
	EACH 7 REPORTING PERSON		SOLE DISPOSITIVE POWER 0		
	WITH	8	SHARED DISPOSITIVE POWER 770,500		
9	AGGREGATE AMO	UNT BE	NEFICIALLY OWNED BY EACH REPORTING PERSON	_	
	770,500				
10	CHECK BOX IF THE AGGREGATE AMOUNT IN ROW (9) EXCLUDES CERTAIN SHARES*				
11	PERCENT OF CLAS	S REPRI	ESENTED BY AMOUNT IN ROW 9		
	2.8%				
12	TYPE OF REPORTIN	NG PERS	ON*		
	00				
			* SEE INSTRUCTIONS BEFORE FILLING OUT!		
CU	SIP NO. 047439 10 4		13G	Page 5 of 9 Pages	
1	NAME OF REPORTI	NG PER	SON:		

2	CHECK THE APPRO	(a) <u>y</u> (b) d					
3	SEC USE ONLY						
4	CITIZENSHIP OR PL	LACE OF	ORGANIZATION				
	Delaware						
	NUMBER OF SHARES	5	SOLE VOTING POWER 0				
	BENEFICIALLY OWNED BY	6	SHARED VOTING POWER 1,748,070				
	EACH 7 REPORTING PERSON		SOLE DISPOSITIVE POWER 0				
	WITH 8 SHARED DISPOSITIVE POWER 1,748,070						
9	AGGREGATE AMOUNT BENEFICIALLY OWNED BY EACH REPORTING PERSON						
	1,748,070						
10	CHECK BOX IF THE AGGREGATE AMOUNT IN ROW (9) EXCLUDES CERTAIN SHARES*						
11	PERCENT OF CLASS	S REPRI	SENTED BY AMOUNT IN ROW 9				
	6.3%						
12	TYPE OF REPORTIN	NG PERS	DN*				
	PN						
			* SEE INSTRUCTIONS BEFORE FILLING OUT!				
CU	SIP NO. 047439 10 4		13G	Page 6 of 9 Pages			
1	NAME OF REPORTI	NG PER	ON:				

2	CHECK THE APPROPRIATE BOX IF A MEMBER OF A GROUP* (
3	SEC USE ONLY					
4	CITIZENSHIP OR PL	ACE OF	ORGANIZATION			
	Delaware					
	NUMBER OF SHARES	5	SOLE VOTING POWER 0			
	BENEFICIALLY OWNED BY	6	SHARED VOTING POWER 1,748,070			
	EACH REPORTING PERSON	7	SOLE DISPOSITIVE POWER 0			
	WITH	8	SHARED DISPOSITIVE POWER 1,748,070			
9	AGGREGATE AMOU	JNT BEI	REFICIALLY OWNED BY EACH REPORTING PERSON			
	1,748,070					
10	CHECK BOX IF THE	AGGRE	GATE AMOUNT IN ROW (9) EXCLUDES CERTAIN SHA	RES*		
11	PERCENT OF CLASS	S REPRE	SENTED BY AMOUNT IN ROW 9			
	6.3%					
12	12 TYPE OF REPORTING PERSON*					
	IA, CO					
			* SEE INSTRUCTIONS BEFORE FILLING OUT	!		
OF T	CID NO. 045420 10 1		120	D 7 . 60 P.		
CU	SIP NO. 047439 10 4		13G	Page 7 of 9 Pages		

ITEM 1(a). NAME OF ISSUER:

Atherogenics, Inc. ("Atherogenics")

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

8995	Wests	side	Park	way
Alpha	aretta,	Geo	orgia	30004

ITEM 2(a	a). N	AME	OF	PER	SON	FIL	ING
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CUSIP NO. 047439	9 10 4	13G	Page 8 of 9 Pages
	047439 10 4		
ITEM 2(e). CUSIP	Number:		
	Common Stock.		
ITEM 2(d). TITLE	E OF CLASS OF SECUR	ITIES:	
BVF	Inc.:	a Delaware corporation	
Partn	ers:	a Delaware limited partnership	
BVF2 Inves	2: stments:	a Delaware limited partnership a Delaware limited liability company	
BVF:		a Delaware limited partnership	
ITEM 2(c). CITIZ	ENSHIP:		
		ice of the Reporting Persons comprising the group oe Street, Suite 4800, Chicago, Illinois, 60606.	filing this Amendment to Schedule 13G is
ITEM 2(b). ADDR	RESS OF PRINCIPAL BU	USINESS OFFICE:	
	Attached as Exh	aibit 1 is a copy of an agreement among the Report to Schedule 13G is being filed on behalf of each	
	(v) BVF Inc. ("BVF	Inc.")	
	BVF Partners L.	.P. ("Partners")	
	BVF Investment (iv)	ts, L.L.C. ("Investments")	
	(iii)	Value Fund II, L.P. ("BVF2")	
	(ii)		
	(i) Riotechnology V	√alue Fund, L.P. ("BVF")	
	This Amendment to Sched	dule 13G is being filed on behalf of the following p	persons* (the "Reporting Persons"):

Not applicable as this Amendment to Schedule 13G is filed pursuant to Rule 13d 1(c).

ITEM 4. OWNERSHIP:

The information in items 1 and 5 through 11 on the cover pages (pp. 2 - 6) on this Amendment to Schedule 13G is hereby incorporated by reference.

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 Persons have 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:

BVF shares voting and dispositive power over the shares of the common stock it beneficially owns with Partners. BVF2 also shares voting and dispositive power over the shares of the common stock it beneficially owns with Partners. Investments also shares voting and dispositive power over the shares of the common stock it beneficially owns with Partners. Partners and BVF Inc. share voting and dispositive power over the shares of the common stock they beneficially own with, in addition to BVF, BVF2 and Investments, certain managed accounts on whose behalf Partners, as investment manager, purchased such shares. None of the managed accounts individually owns more than 5% of the common stock of Atherogenics.

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 A GROUP:

Not applicable.

ITEM 9. NOTICE OF DISSOLUTION OF GROUP:

Not applicable.

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ITEM 10. CERTIFICATION

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 that purpose or effect.

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: August 20, 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

SCHEDULE 13G

ITEM 1(a). NAME OF ISSUER

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

ITEM 2(a). NAME OF PERSON FILING

ITEM 2(b). ADDRESS OF PRINCIPAL BUSINESS OFFICE

ITEM 2(c). CITIZENSHIP

ITEM 2(d). TITLE OF CLASS OF SECURITIES

ITEM 2(e). CUSIP Number

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: One of the following

ITEM 4. OWNERSHIP

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

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

ITEM 7. IDENTIFICATION AND CLASSIFICATION OF THE SUBSIDIARY WHICH ACQUIRED THE SECURITY BEING REPORTED

ON BY THE PARENT HOLDING COMPANY

ITEM 8. IDENTIFICATION AND CLASSIFICATION OF MEMBERS OF A GROUP

ITEM 9. NOTICE OF DISSOLUTION OF GROUP

ITEM 10. CERTIFICATION