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.)¹

Avant Immunotherapeutics, Inc.

(Name of Issuer)

Common Stock

(Title of Class of Securities)

053491106

(CUSIP Number)

June 30, 2005

(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) x Rule 13d-1(c) o Rule 13d-1(d)

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 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 purposes 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. 053491106	13G	Page 2 of 10 Pages	
1 NAME OF REPORTIN Biotechnology Value F I.R.S. IDENTIFICATIO			
2 CHECK THE APPROF	PRIATE BOX IF A MEMBER OF A GROUP*	(a) 2 (b) 0	
3 SEC USE ONLY			
4 CITIZENSHIP OR PLA	ACE OF ORGANIZATION		
Delaware	5 SOLE VOTING POWER		
NUMBER OF	0		
SHARES BENEFICIALLY	6 SHARED VOTING POWER		
OWNED BY	1,122,348		
EACH REPORTING	7 SOLE DISPOSITIVE POWER0		
PERSON WITH:	8 SHARED DISPOSITIVE POWER 1,122,348		
9 AGGREGATE AMO	UNT BENEFICIALLY OWNED BY EACH REPORTING PERSON		
1,122,348			
10 CHECK IF THE AGO	GREGATE AMOUNT IN ROW (11) EXCLUDES CERTAIN SHARES*	(
11 PERCENT OF CLAS	S REPRESENTED BY AMOUNT IN ROW (9)		
1.5%			
12 TYPE OF REPORTIN	IG PERSON*		
PN			
	*SEE INSTRUCTIONS BEFORE FILLING OUT!		

CUSIP No. 053491106	13G	Page 3 of 10 Pages
1 NAME OF REPOF Biotechnology Val I.R.S. IDENTIFIC		
2 CHECK THE APP	ROPRIATE BOX IF A MEMBER OF A GROUP*	(a) (b)
3 SEC USE ONLY		
4 CITIZENSHIP OR Delaware	PLACE OF ORGANIZATION	
NUMBER OF	5 SOLE VOTING POWER 0	
SHARES BENEFICIALLY OWNED BY	6 SHARED VOTING POWER 712,800	
EACH REPORTING PERSON	7 SOLE DISPOSITIVE POWER 0	
WITH:	8 SHARED DISPOSITIVE POWER 712,800	
9 AGGREGATE A 712,800	MOUNT BENEFICIALLY OWNED BY EACH REPORTING PERSON	
10 CHECK IF THE	AGGREGATE AMOUNT IN ROW (11) EXCLUDES CERTAIN SHARES*	
11 PERCENT OF C	LASS REPRESENTED BY AMOUNT IN ROW (11)	
1.0%		
12 TYPE OF REPO	RTING PERSON*	
PN		

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CUSIP No. 053491106			13G	Page 4 of 10 Pages
BVF	E OF REPORTINC Investments, L.L.(IDENTIFICATION	с.	N: ABOVE PERSON (ENTITIES ONLY):	
2 CHE0	CK THE APPROPF	RIATE BC	X IF A MEMBER OF A GROUP*	(a) 2 (b) c
3 SEC V	USE ONLY			
4 CITIZ Delav	ZENSHIP OR PLA	CE OF OF	RGANIZATION	
NUMBI		5	SOLE VOTING POWER 0	
SHAI BENEFIC OWN BY	CIALLY IED	6	SHARED VOTING POWER 1,724,700	
EAC REPOR PERS	CH TING	7	SOLE DISPOSITIVE POWER 0	
WIT		8	SHARED DISPOSITIVE POWER 1,724,700	
	GREGATE AMOU	NT BENE	FICIALLY OWNED BY EACH REPORTING PERSON	
	CHECK IF THE AGGREGATE AMOUNT IN ROW (9) EXCLUDES CERTAIN SHARES*			
11 PER	CENT OF CLASS	REPRES	ENTED BY AMOUNT IN ROW (9)	
2.3%	%			
12 TYF	PE OF REPORTING	G PERSO	N*	
00				

CUSIP No. 053491106	13G	Page 5 of 10 Pages	
1 NAME OF REPORTI Investment 10, L.L.C I.R.S. IDENTIFICAT			
2 CHECK THE APPRC	PRIATE BOX IF A MEMBER OF A GROUP*	(a) x (b) c	
3 SEC USE ONLY			
4 CITIZENSHIP OR PI Illinois	ACE OF ORGANIZATION		
NUMBER OF	5 SOLE VOTING POWER 0		
SHARES BENEFICIALLY OWNED BY	6 SHARED VOTING POWER 188,300		
EACH REPORTING PERSON	7 SOLE DISPOSITIVE POWER 0		
WITH:	8 SHARED DISPOSITIVE POWER 188,300		
9 AGGREGATE AMO 188,300	DUNT BENEFICIALLY OWNED BY EACH REPORTING PERSON		
10 CHECK IF THE AG	CHECK IF THE AGGREGATE AMOUNT IN ROW (11) EXCLUDES CERTAIN SHARES*		
11 PERCENT OF CLA	SS REPRESENTED BY AMOUNT IN ROW (11)		
0.3%			
12 TYPE OF REPORT	ING PERSON*		

CUSIP No. 053491106			13G	Page 6 of 10 Pages
	NAME OF REPORTING BVF Partners L.P. I.R.S. IDENTIFICATIO		N: ABOVE PERSON (ENTITIES ONLY):	
2	CHECK THE APPROP	RIATE BC	X IF A MEMBER OF A GROUP*	(a) 2 (b) 6
3	SEC USE ONLY			
4	CITIZENSHIP OR PLA Delaware	CE OF OI	RGANIZATION	
N	UMBER OF	5	SOLE VOTING POWER 0	
BE	SHARES NEFICIALLY OWNED BY	6	SHARED VOTING POWER 3,748,148	
R	EACH EPORTING PERSON	7	SOLE DISPOSITIVE POWER 0	
	WITH:	8	SHARED DISPOSITIVE POWER 3,748,148	
9	AGGREGATE AMOU 3,748,148	JNT BENE	EFICIALLY OWNED BY EACH REPORTING PERSON	
10	CHECK IF THE AGGREGATE AMOUNT IN ROW (9) EXCLUDES CERTAIN SHARES*			
11	PERCENT OF CLASS	5 REPRES	ENTED BY AMOUNT IN ROW 9	
	5.1%			
12	TYPE OF REPORTIN	G PERSO	N*	
	PN			

CUSIP No. 053491106	13G	Page 7 of 10 Pages	
1 NAME OF REPO BVF Inc. I.R.S. IDENTIFIC	RTING PERSON: CATION NO. OF ABOVE PERSON (ENTITIES ONLY):		
2 CHECK THE AP	PROPRIATE BOX IF A MEMBER OF A GROUP*	(a) 2 (b) 0	
3 SEC USE ONLY			
4 CITIZENSHIP OI Delaware	R PLACE OF ORGANIZATION		
NUMBER OF	5 SOLE VOTING POWER 0		
SHARES BENEFICIALLY OWNED BY	6 SHARED VOTING POWER 3,748,148		
EACH REPORTING PERSON	7 SOLE DISPOSITIVE POWER 0		
WITH:	8 SHARED DISPOSITIVE POWER 3,748,148		
9 AGGREGATE A	MOUNT BENEFICIALLY OWNED BY EACH REPORTING PERSON		
3,748,148 10 CHECK IF THE	3,748,148 CHECK IF THE AGGREGATE AMOUNT IN ROW (9) EXCLUDES CERTAIN SHARES*		
11 PERCENT OF C	CLASS REPRESENTED BY AMOUNT IN ROW (9)		
5.1%			
12 TYPE OF REPO	RTING PERSON*		
IA, CO			

ITEM 1(a). NAME OF ISSUER: Avant Immunotherapeutics, Inc. ("Avant")

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

119 Fourth Avenue Needham, MA 02494

ITEM 2(a). NAME OF PERSON FILING:

This Schedule 13G is being filed on behalf of the following persons (the "Reporting Persons"):

- (i) Biotechnology Value Fund, L.P. ("BVF")
- (ii) Biotechnology Value Fund II, L.P. ("BVF2")
- (iii) BVF Investments, L.L.C. ("Investments")
- (iv) Investment 10, L.L.C. ("ILL10")
- (v) BVF Partners L.P. ("Partners")
- (vi) BVF Inc. ("BVF Inc.")

ITEM 2(b). ADDRESS OF PRINCIPAL BUSINESS OFFICE:

The principal business office of the persons comprising the group filing this Schedule 13G is located at 227 West Monroe Street, Suite 4800, Chicago, Illinois, 60606.

BVF:	a Delaware limited partnership
BVF2:	a Delaware limited partnership
Investments:	a Delaware limited liability company
ILL10:	an Illinois limited liability company
Partners:	a Delaware limited partnership
BVF Inc.:	a Delaware corporation

ITEM 2(d). TITLE OF CLASS OF SECURITIES:

CITIZENSHID.

This Schedule 13G is being filed with respect to the common stock, par value \$.001 per share (the "Common Stock"), of Avant. The Reporting Persons' percentage ownership of the Common Stock is based on 74,132,829 shares of the Common Stock being outstanding.

As of July 6, 2005, (i) BVF beneficially owned 1,122,348 shares of Common Stock; (ii) BVF2 beneficially owned 712,800 shares of Common Stock; (iii) Investments beneficially owned 1,724,700 shares of Common Stock; and (iv) ILL10 beneficially owned 188,300 shares of Common Stock. Beneficial ownership by Partners and BVF Inc. includes 3,748,148 shares of Common Stock.

ITEM 2(e). CUSIP Number:

ITEM 2(c).

053491106

CUSIP No. 053491106		13G	Page 9 of 10 Pages			
ITEM 3.		STATEMENT IS FILED PURSUANT TO RULE 13d-1(b), or 13d-2(b) or (c) CHECK WI IS: One of the following	3d-2(b) or (c) CHECK WHETHER THE PERSON			
	Not applie	cable as this Schedule 13G is filed pursuant to Rule 13d-1(c).				
ITEM 4.	OWNER	SHIP:				
	The inform	mation in items 1 and 5 through 11 on the cover pages (pp. 2 - 7) on this Schedule 13G is hereby	y incorporated by reference.			
ITEM 5.	OWNER	SHIP OF FIVE PERCENT OR LESS OF A CLASS:				
		ement is being filed to report the fact that as of the date hereof the reporting person has ceased five percent of the class of securities check the following. o	to be the beneficial owner of			
ITEM 6.	OWNER	OWNERSHIP OF MORE THAN FIVE PERCENT ON BEHALF OF ANOTHER PERSON:				
	Managem those shar beneficial	to the operating agreement of Investments, Partners is authorized, among other things, to invest tent, L.P., the majority member of Investments, in shares of the Common Stock and to vote and res of the Common Stock. Partners and BVF Inc. share voting and dispositive power over shares ly owned by BVF, BVF2, Investments and those owned by ILL10, on whose behalf Partners ac rdingly, Partners and BVF Inc. have beneficial ownership of all of the shares of the Common St	exercise dispositive power over s of the Common Stock ts as an investment manager			
ITEM 7.		FICATION AND CLASSIFICATION OF THE SUBSIDIARY WHICH ACQUIRED THE TED ON BY THE PARENT HOLDING COMPANY:	SECURITY BEING			
	Not applie	cable.				
ITEM 8.	IDENTIF	FICATION AND CLASSIFICATION OF MEMBERS OF A GROUP:				
	Not applie	cable.				
ITEM 9.	NOTICE	OF DISSOLUTION OF GROUP:				
	Not applie	cable.				

CUSIP No. 053491106

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: July 7, 2005

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

INVESTMENT 10, L.L.C.

By: BVF Partners L.P., its attorney-in-fact

- 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

AGREEMENT REGARDING JOINT FILING

The undersigned, Biotechnology Value Fund, L.P., a Delaware limited partnership, Biotechnology Value Fund II, L.P., a Delaware limited partnership, BVF Investments, L.L.C., a Delaware limited liability company, Investment 10, L.L.C., an Illinois limited liability company, BVF Partners L.P., a Delaware limited partnership, and BVF Inc., a Delaware corporation, hereby agree and acknowledge that the information required by Schedule 13G, to which this Agreement is attached as an exhibit, is filed on behalf of each of them. The undersigned further agree that any amendments or supplements thereto shall also be filed on behalf of each of them.

Dated: July 7, 2005

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

INVESTMENT 10, L.L.C.

- By: BVF Partners L.P., its attorney-in-fact
 - 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