UNITED STATES SECURITIES AND EXCHANGE COMMISSION Washington, D.C. 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. 4)¹

ImmunoGen, Inc.

(Name of Issuer)

Common Stock, par value \$0.01 per share (Title of Class of Securities)

45253H101

(CUSIP Number)

December 31, 2009

(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)

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 ("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*).

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.

1	NAME OF REPORTING PERSON			
	Biotechnology Value Fund, L.P.			
2	CHECK THE APPROPRIATE BOX IF A MEMBER OF A GROUP (a) x			
3	SEC USE ONLY		(b) o	
4	CITIZENSHIP OR PLACE OF ORGANIZATION			
	Delaware			
NUMBER OF SHARES	5	SOLE VOTING POWER		
BENEFICIALLY		0 shares		
OWNED BY EACH REPORTING	6	SHARED VOTING POWER		
PERSON WITH		0 shares		
	7	SOLE DISPOSITIVE POWER		
	0 shares			
	8	SHARED DISPOSITIVE POWER		
		0 shares		
9	AGGREGATE AMO	UNT BENEFICIALLY OWNED BY EACH REPORTING PERSON		
	0 shares			
10	CHECK BOX IF THE AGGREGATE AMOUNT IN ROW (9) EXCLUDES CERTAIN SHARES			
11	PERCENT OF CLASS REPRESENTED BY AMOUNT IN ROW (9)			
	0%			
12	TYPE OF REPORTI	NG PERSON		
	PN			

1	NAME OF REPORTING PERSON			
	Biotechnology Value Fund II, L.P.			
2	CHECK THE APPROPRIATE BOX IF A MEMBER OF A GROUP (a) x			
			(b) o	
3	SEC USE ONLY			
4	CITIZENSHIP OR PI	LACE OF ORGANIZATION		
	_			
	Delaware	1		
NUMBER OF	5	SOLE VOTING POWER		
SHARES				
BENEFICIALLY	-	0 shares		
OWNED BY EACH REPORTING	6	SHARED VOTING POWER		
PERSON WITH		0 shares		
	7	SOLE DISPOSITIVE POWER		
	7 SOLE DISPOSITIVE FOWER			
	0 shares			
	8	SHARED DISPOSITIVE POWER		
		0 shares		
9	AGGREGATE AMOUNT BENEFICIALLY OWNED BY EACH REPORTING PERSON			
, , , , , , , , , , , , , , , , , , ,				
	0 shares			
10	CHECK BOX IF THE AGGREGATE AMOUNT IN ROW (9) EXCLUDES CERTAIN SHARES			
11	PERCENT OF CLASS REPRESENTED BY AMOUNT IN ROW (9)			
12	0% TYPE OF REPORTIN	IC DEPSON		
12	IITE OF KEFURIIN	NO LENDON		
	PN			

1	NAME OF REPORTING PERSON			
_				
	BVF Investments, L.L.C.			
2	CHECK THE APPR	OPRIATE BOX IF A MEMBER OF A GROUP	(a) x	
			(b) o	
3	SEC USE ONLY			
4	CITIZENCUIDODD	LACE OF ORGANIZATION		
4	CITIZENSHIP OR P	LACE OF ORGANIZATION		
	Delaware			
NUMBER OF	5	SOLE VOTING POWER		
SHARES				
BENEFICIALLY		0 shares		
OWNED BY EACH	6	SHARED VOTING POWER		
REPORTING PERSON WITH		201.072		
PERSON WITH		381,972		
	7 SOLE DISPOSITIVE POWER			
		0 shares		
	8	SHARED DISPOSITIVE POWER		
		381,972		
9	AGGREGATE AMO	UNT BENEFICIALLY OWNED BY EACH REPORTING PERSON		
	201 072			
10		381,972		
10	CHECK BOX IF THE AGGREGATE AMOUNT IN ROW (9) EXCLUDES CERTAIN SHARES			
11	PERCENT OF CLASS REPRESENTED BY AMOUNT IN ROW (9)			
	Less than 1%			
12	TYPE OF REPORTE	NG PERSON		
	00			

NAME OF REPORTING PERSON				
Investment 10, L.L.C.				
CHECK THE API	PROPRIATE BOX IF A MEMBER OF A GROUP	(a) x		
		(b) o		
SEC USE ONLY				
CITIZENSHIP OF	2 PLACE OF ORGANIZATION			
Illinoic				
	COLE VOTING DOMED			
5	SOLE VOTING POWER			
6	SHARED VOTING POWER			
	0 shares			
7	SOLE DISPOSITIVE POWER			
0 shares				
8	SHARED DISPOSITIVE POWER			
	0 shares			
AGGREGATE AN	MOUNT BENEFICIALLY OWNED BY EACH REPORTING PERSON			
0 shares				
	THE ACCRECATE AMOUNT IN ROW (9) FXCLUDES CERTAIN SHARES			
\Box				
DEDCENT OF CLASS DEDDESENTED DV AMOUNT IN DOW (0)				
PERCENT OF CLASS REFRESENTED BY AMOUNT IN ROW (9)				
I YPE OF REPOR	LIING PERSON			
00				
	Investment 10, I CHECK THE API SEC USE ONLY CITIZENSHIP OF Illinois 5 6 7 8 AGGREGATE AN 0 shares CHECK BOX IF 7 PERCENT OF CL 0%	CHECK THE APPROPRIATE BOX IF A MEMBER OF A GROUP SEC USE ONLY CITIZENSHIP OR PLACE OF ORGANIZATION Illinois 5 SOLE VOTING POWER 0 shares 6 SHARED VOTING POWER 0 shares 7 SOLE DISPOSITIVE POWER 0 shares 8 SHARED DISPOSITIVE POWER 0 shares AGGREGATE AMOUNT BENEFICIALLY OWNED BY EACH REPORTING PERSON 0 shares CHECK BOX IF THE AGGREGATE AMOUNT IN ROW (9) EXCLUDES CERTAIN SHARES PERCENT OF CLASS REPRESENTED BY AMOUNT IN ROW (9) 0% TYPE OF REPORTING PERSON		

ir					
1	NAME OF REPORTING PERSON				
	BVF Partners L.P.				
2	CHECK THE APPR	OPRIATE BOX IF A MEMBER OF A GROUP	(a) x		
			(b) o		
3	SEC USE ONLY				
4	CITIZENSHIP OR I	PLACE OF ORGANIZATION			
	Delaware				
NUMBER OF	5	SOLE VOTING POWER			
SHARES					
BENEFICIALLY		0 shares			
OWNED BY EACH	6	SHARED VOTING POWER			
REPORTING	-				
PERSON WITH		381,972			
	7	SOLE DISPOSITIVE POWER			
		0 shares			
	8	SHARED DISPOSITIVE POWER			
	-				
		381,972			
9	AGGREGATE AMO	DUNT BENEFICIALLY OWNED BY EACH REPORTING PERSON			
_					
	381,972				
10	,	E AGGREGATE AMOUNT IN ROW (9) EXCLUDES CERTAIN SHARES			
11	PERCENT OF CLASS REPRESENTED BY AMOUNT IN ROW (9)				
	Less than 1%				
12	TYPE OF REPORT	NG PERSON			
12					
	PN, IA				
<u> </u>					

1	NAME OF REPORTING PERSON				
	BVF Inc.				
2	CHECK THE API	PROPRIATE BOX IF A MEMBER OF A GROUP	(a) x		
2			(b) o		
3	SEC USE ONLY				
4	CITIZENSHIP OF	R PLACE OF ORGANIZATION			
	Delaware				
NUMBER OF	5	SOLE VOTING POWER			
SHARES					
BENEFICIALLY		0 shares			
OWNED BY EACH	6	SHARED VOTING POWER			
REPORTING PERSON WITH					
PERSON WITH		381,972			
	7	SOLE DISPOSITIVE POWER			
		0 shares			
	8 SHARED DISPOSITIVE POWER				
	Ū				
		381,972			
9	AGGREGATE AMOUNT BENEFICIALLY OWNED BY EACH REPORTING PERSON				
	381,972				
10	CHECK BOX IF THE AGGREGATE AMOUNT IN ROW (9) EXCLUDES CERTAIN SHARES				
11	PERCENT OF CLASS REPRESENTED BY AMOUNT IN ROW (9)				
	$\frac{1}{1} = \frac{1}{1} = \frac{1}$				
	Less than 1%				
12	TYPE OF REPOR	TING PERSON			
	СО				

r					
1	NAME OF REPORTING PERSON				
	Mark N. Lampert				
2	CHECK THE APPR	OPRIATE BOX IF A MEMBER OF A GROUP	(a) x		
			(b) o		
3	SEC USE ONLY				
4	CITIZENSHIP OR F	PLACE OF ORGANIZATION			
	United States				
NUMBER OF	5	SOLE VOTING POWER			
SHARES					
BENEFICIALLY		0 shares			
OWNED BY EACH	6	SHARED VOTING POWER			
REPORTING					
PERSON WITH		381,972			
	7	SOLE DISPOSITIVE POWER			
		0 shares			
	8	SHARED DISPOSITIVE POWER			
		381,972			
9	AGGREGATE AMO	OUNT BENEFICIALLY OWNED BY EACH REPORTING PERSON			
	381,972				
10	CHECK BOX IF TH	IE AGGREGATE AMOUNT IN ROW (9) EXCLUDES CERTAIN SHARES			
11	PERCENT OF CLASS REPRESENTED BY AMOUNT IN ROW (9)				
	Less than 1%				
12	TYPE OF REPORTI	ING PERSON			
	IN				
	11N				

CUSIP NO. 45253H101

Item 1(a).	Name of Issuer:			
	ImmunoGen, Inc., a Massachusetts corporation (the "Issuer").			
Item 1(b).	Address of Issuer's Principal Executive Offices:			
	830 Winter Street Waltham, MA 02451			
Item 2(a). Item 2(b). Item 2(c).	Name of Person Filing Address of Principal Business Office or, if None, Residence Citizenship			
900 Nortl Chicago,	ogy Value Fund, L.P. ("BVF") Michigan Avenue, Suite 1100 Ilinois 60611 ɔ: Delaware			
900 Nortl Chicago,	ology Value Fund II, L.P. ("BVF2") h Michigan Avenue, Suite 1100 Illinois 60611 ip: Delaware			
900 Nortl Chicago,	estments, L.L.C. ("BVLLC") h Michigan Avenue, Suite 1100 Illinois 60611 ip: Delaware			
900 Nortl Chicago,	nt 10, L.L.C. ("ILL10") h Michigan Avenue, Suite 1100 Illinois 60611 ip: Illinois			
900 Nortl Chicago,	ners L.P. ("Partners") h Michigan Avenue, Suite 1100 Illinois 60611 ip: Delaware			
Chicago,	h Michigan Avenue, Suite 1100 Illinois 60611 ip: Delaware			
900 Nortl Chicago,	Lampert ("Mr. Lampert") h Michigan Avenue, Suite 1100 Illinois 60611 ip: United States			

Each of the foregoing is referred to as a "Reporting Person" and collectively as the "Reporting Persons."

CUSIP NO. 45253H101

Item 2(d).	Title of Class of Securities:					
	Common Stock, par value \$0.01 per share (the "Common Stock")					
Item 2(e).	CUSIP Number:					
	45253H101					
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:					
	/x/ Not applicable.					
	(a) // Broker or dealer registered under Section 15 of the Exchange Act.		Broker or dealer registered under Section 15 of the Exchange Act.			
	(b) // Bank as defined in Section 3(a)(6) of the Exchange Act.		Bank as defined in Section 3(a)(6) of the Exchange Act.			
	(c) // Insurance company as defined in Section 3(a)(19) of the Exchange Act.					
	(d) // Investment company registered under Section 8 of the Investment Company Act.		Investment company registered under Section 8 of the Investment Company Act.			
	(e) // An investment adviser in accordance with Rule 13d-1(b)(1)(ii)(E).		An investment adviser in accordance with Rule 13d-1(b)(1)(ii)(E).			
	(f) // An employee benefit plan or endowment fund in accordance with Rule 13d-1(b)(1)(ii)(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 parent holding company or control person in accordance with Rule 13d-1(b)(1)(ii)(G).			
	(h) // A savings association as defined in Section 3(b) of the Federal Deposit Insurance Act.		A savings association as defined in Section 3(b) of the Federal Deposit Insurance Act.			
	(i) // A church plan that is excluded from the definition of an investment company under Section 3(c)(14) of the Company Act.		A church plan that is excluded from the definition of an investment company under Section 3(c)(14) of the Investment Company Act.			
	(j)	//	Group, in accordance with Rule 13d-1(b)(1)(ii)(J).			
	(k)	//	Group, in accordance with Rule 240.13d-1(b)(1)(ii)(K). If filing as a non-U.S. institution in accordance with Rule 240.13d-1(b)(1)(ii)(J), please specify the type of institution:			
Item 4.	Ownership					
(a)	Amount beneficially owned:		cially owned:			
	As of the close of business on December 31, 2009, (i) BVF, BVF2 and ILL10 did not own any shares of Common Stock and (ii) beneficially owned 381,972 shares of Common Stock.					

Partners, as the manager of BVLLC, may be deemed to beneficially own the 381,972 shares of Common Stock beneficially owned by BVLLC.

BVF Inc., as the general partner of Partners, may be deemed to beneficially own the 381,972 shares of Common Stock beneficially owned by Partners.

Mr. Lampert, as a director and officer of BVF Inc., may be deemed to beneficially own the 381,972 shares of Common Stock beneficially owned by BVF Inc.

The foregoing should not be construed in and of itself as an admission by any Reporting Person as to beneficial ownership of any shares of Common Stock owned by another Reporting Person. Each of Partners, BVF Inc. and Mr. Lampert disclaims beneficial ownership of the shares of Common Stock beneficially owned by BVLLC and the filing of this statement shall not be construed as an admission that any such person or entity is the beneficial owner of any such securities.

(b) Percent of class:

Based on 57,360,914 shares of Common Stock outstanding as of January 25, 2010, as reported in the Issuer's Quarterly Report on Form 10-Q filed with the Securities and Exchange Commission on January 29, 2010. As of the close of business on December 31, 2009, (i) BVF, BVF2 and ILL10 did not own any shares of Common Stock, (ii) BVLLC beneficially owned less than 1% of the outstanding shares of Common Stock, and (iii) each of Partners, BVF Inc. and Mr. Lampert may be deemed to beneficially own less than 1% of the outstanding shares of Common Stock.

- (c) Number of shares as to which such person has:
- (i) Sole power to vote or to direct the vote

See Cover Pages Items 5-9.

(ii) Shared power to vote or to direct the vote

See Cover Pages Items 5-9.

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

See Cover Pages Items 5-9.

(iv) Shared power to dispose or to direct the disposition of

See Cover Pages Items 5-9.

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].

CUSIP NO. 45253H101

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

Pursuant to the operating agreement of BVLLC, Partners is authorized, among other things, to invest the contributed capital of Samana Capital, L.P., the majority member of BVLLC, in the shares of Common Stock and other securities of the Issuer and to vote, exercise or convert and dispose of each security, and is entitled to receive fees based on assets under management and, subject to certain exceptions, allocations based on realized and unrealized gains on such assets.

Partners, BVF Inc. and Mr. Lampert share voting and dispositive power over the shares of Common Stock beneficially owned by BVLLC.

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

Not Applicable.

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

See Exhibit 99.1.

Item 9. Notice of Dissolution of Group.

Not Applicable.

Item 10. Certifications.

By signing below each of the undersigned certifies that, to the best of its 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.

<u>SIGNATURE</u>

statemer	After reasonable inquiry and to the best of his knowledge and at is true, complete and correct.	l belief, ea	ch of the undersigned certifies that the information set forth in this	
Dated: F	ebruary 10, 2010			
BIOTEC	CHNOLOGY VALUE FUND, L.P.	INVESTMENT 10, L.L.C.		
By:	BVF Partners L.P., its general partner	By:	BVF Partners L.P., its investment manager	
By:	BVF Inc., its general partner	By:	BVF Inc., its general partner	
By:	/s/ Mark N. Lampert Mark N. Lampert President	By:	/s/ Mark N. Lampert Mark N. Lampert President	
BIOTEC	CHNOLOGY VALUE FUND II, L.P.	BVF PAI	RTNERS L.P.	
By:	BVF Partners L.P., its general partner		BVF Inc., its general partner	
By: By:	BVF Inc., its general partner /s/ Mark N. Lampert Mark N. Lampert President		/s/ Mark N. Lampert Mark N. Lampert President	
BVF IN	VESTMENTS, L.L.C.	BVF INC	2.	
By:	BVF Partners L.P., its manager		/s/ Mark N. Lampert Mark N. Lampert	
By:	BVF Inc., its general partner	President		
By:	/s/ Mark N. Lampert Mark N. Lampert President 13	MARK N	N. Lampert N. LAMPERT	

JOINT FILING AGREEMENT

The undersigned hereby agree that the Statement on Schedule 13G dated February 10, 2010 with respect to the shares of Common Stock of ImmunoGen, Inc., and any further amendments thereto executed by each and any of the undersigned shall be filed on behalf of each of the undersigned pursuant to and in accordance with the provisions of Rule 13d-1(k)(1) under the Securities Exchange Act of 1934, as amended.

Dated: February 10, 2010

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 investment 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

/s/ Mark N. Lampert

MARK N. LAMPERT