RIGEL PHARMACEUTICALS INC Form SC 13G June 06, 2011

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.)1

Rigel Pharmaceuticals, Inc. (Name of Issuer)

Common Stock, par value \$0.001 per share (Title of Class of Securities)

766559603 (CUSIP Number)

May 26, 2011 (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.

NAME OF REPORTING PERSON

CUSIP NO. 766559603

_					
2	Biotechnology Value Fund, L.P. CHECK THE APPROPRIATE BOX IF A MEMBER OF A (a) x				
3	GROUP (b) o SEC USE ONLY				
4	CITIZENSHIP OR PLACE OF ORGANIZATION				
NUMBER OF SHARES	Delaware	5	SOLE VOTING POWER		
BENEFICIALLY OWNED BY EACH REPORTING PERSON WITH	•	6	0 shares SHARED VOTING POWER		
	7		1,249,474 SOLE DISPOSITIVE POWER		
		8	0 shares SHARED DISPOSITIVE POWE	R	
9	AGGREGATE	AMOUNT BEN	1,249,474 EFICIALLY OWNED BY EACH	REPORTING PERSON	
10	1,249,474 CHECK BOX IF THE AGGREGATE AMOUNT IN ROW (9) EXCLUDES CERTAIN SHARES				
11	PERCENT OF CLASS REPRESENTED BY AMOUNT IN ROW (9)				
12	1.8% TYPE OF REPORTING PERSON				
	PN				
2					

NAME OF REPORTING PERSON

CUSIP NO. 766559603

1	While of Reform to Leadon				
2	Biotechnology Value Fund II, L.P. CHECK THE APPROPRIATE BOX IF A MEMBER OF A (a) x				
3	GROUP (b) o SEC USE ONLY				
4	CITIZENSHIP OR PLACE OF ORGANIZATION				
	Delaware				
NUMBER OF SHARES	Belaware	5	SOLE VOTING POWER		
BENEFICIALLY	•		0 shares		
OWNED BY		6	SHARED VOTING POWER		
EACH			0.41,000		
REPORTING PERSON WITH		7	841,000 SOLE DISPOSITIVE POWER		
TERSON WITH		1	SOLE DISTOSITIVE TOWER		
			0 shares		
		8	SHARED DISPOSITIVE POWE	R	
			841,000		
9	AGGREGATE	AMOUNT BEN	641,000 EFICIALLY OWNED BY EACH	REPORTING PERSON	
	841,000				
10		IF THE AGGREO ERTAIN SHARE	GATE AMOUNT IN ROW (9)	•	
	EXCLUDES C	EKTAIN SHAKE	25		
11	PERCENT OF CLASS REPRESENTED BY AMOUNT IN ROW (9)				
10	1.2%	ODENIC PEDGO			
12	TYPE OF REP	ORTING PERSC	ON		
	PN				
2					
3					

CUSIP NO. 766559603

1	NAME OF REPORTING PERSON				
2 3	BVF Investments, L.L.C. CHECK THE APPROPRIATE BOX IF A MEMBER OF A GROUP (b) o SEC USE ONLY				
4	CITIZENSHIP OR PLACE OF ORGANIZATION				
NUMBER OF	Delaware 5 SOLE VOTING POWER				
SHARES BENEFICIALLY OWNED BY EACH REPORTING PERSON WITH		6	0 shares SHARED VOTING POWER		
		7	3,236,000 SOLE DISPOSITIVE POWER		
		8	0 shares SHARED DISPOSITIVE POWE	R	
9	3,236,000 AGGREGATE AMOUNT BENEFICIALLY OWNED BY EACH REPORTING PERSON				
10	3,236,000 CHECK BOX IF THE AGGREGATE AMOUNT IN ROW (9) " EXCLUDES CERTAIN SHARES				
11	PERCENT OF CLASS REPRESENTED BY AMOUNT IN ROW (9)				
12	4.7% TYPE OF REPORTING PERSON				
	00				
4					

CUSIP NO. 766559603

1	NAME OF REPORTING PERSON				
2	Investment 10, L.L.C. CHECK THE APPROPRIATE BOX IF A MEMBER OF A GROUP (b) o SEC USE ONLY				
4	CITIZENSHIP OR PLACE OF ORGANIZATION				
NUMBER OF SHARES	Illinois 5 SOLE VOTING POWER				
BENEFICIALLY OWNED BY EACH REPORTING PERSON WITH		6	0 shares SHARED VOTING POWER		
		7	371,000 SOLE DISPOSITIVE POWER		
		8	0 shares SHARED DISPOSITIVE POWE	R	
9	AGGREGATE	AMOUNT BEN	371,000 EFICIALLY OWNED BY EACH	REPORTING PERSON	
10	371,000 CHECK BOX IF THE AGGREGATE AMOUNT IN ROW (9) " EXCLUDES CERTAIN SHARES				
11	PERCENT OF CLASS REPRESENTED BY AMOUNT IN ROW (9)				
12	Less than 1% TYPE OF REPORTING PERSON				
	00				
5					

NAME OF REPORTING PERSON

CUSIP NO. 766559603

_				
2	BVF Partners L.P. CHECK THE APPROPRIATE BOX IF A MEMBER OF A (a) x			
3	GROUP (b) o SEC USE ONLY			
4	CITIZENSHIP OR PLACE OF ORGANIZATION			
NUMBER OF SHARES	Delaware	5	SOLE VOTING POWER	
BENEFICIALLY OWNED BY EACH REPORTING PERSON WITH	•	6	0 shares SHARED VOTING POWER	
	7		5,697,474 SOLE DISPOSITIVE POWER	
		8	0 shares SHARED DISPOSITIVE POWE	ER
9	AGGREGATE	AMOUNT BEN	5,697,474 EFICIALLY OWNED BY EACH	REPORTING PERSON
10		IF THE AGGREG ERTAIN SHARE	GATE AMOUNT IN ROW (9) ES	
11	PERCENT OF CLASS REPRESENTED BY AMOUNT IN ROW (9)			
12	8.3% TYPE OF REP	ORTING PERSC	DN	
	PN, IA			
6				

NAME OF REPORTING PERSON

CUSIP NO. 766559603

2	BVF Inc. CHECK THE APPROPRIATE BOX IF A MEMBER OF A GROUP (a) x (b) o				
3	SEC USE ONLY				
4	CITIZENSHIP OR PLACE OF ORGANIZATION				
	Delaware				
NUMBER OF SHARES		5	SOLE VOTING POWER		
BENEFICIALLY			0 shares		
OWNED BY EACH		6	SHARED VOTING POWER		
REPORTING			5,697,474		
PERSON WITH		7	SOLE DISPOSITIVE POWER		
			0 shares		
		8	SHARED DISPOSITIVE POWE	R	
			5,697,474		
9	AGGREGATE	AMOUNT BEN	EFICIALLY OWNED BY EACH	REPORTING PERSON	
	5,697,474				
10	CHECK BOX IF THE AGGREGATE AMOUNT IN ROW (9) " EXCLUDES CERTAIN SHARES				
11	PERCENT OF CLASS REPRESENTED BY AMOUNT IN ROW (9)				
	8.3%				
12		ORTING PERSO	ON		
	CO				
7					

NAME OF REPORTING PERSON

CUSIP NO. 766559603

1	TVIIVIL OF ICE	ONTINOTENS				
2	Mark N. Lampert CHECK THE APPROPRIATE BOX IF A MEMBER OF A (a) x					
3	GROUP (b) o SEC USE ONLY					
4	CITIZENSHIP OR PLACE OF ORGANIZATION					
	United States					
NUMBER OF SHARES		5	SOLE VOTING POWER			
BENEFICIALLY	•		0 shares			
OWNED BY EACH		6	SHARED VOTING POWER			
REPORTING			5,697,474			
PERSON WITH		7	SOLE DISPOSITIVE POWER	Z D		
TERSON WITH	1	1	SOLE DISTOSTIVE TOWER			
			0 shares			
		0		D		
		8	SHARED DISPOSITIVE POWE	K		
			5 (07 474			
0	A GGDEG A FE	A MOUNTE DEN	5,697,474	DEDODENIA DEDGON		
9	AGGREGATE	AMOUNT BEN	EFICIALLY OWNED BY EACH	REPORTING PERSON		
	5,697,474					
10			GATE AMOUNT IN ROW (9)	•		
	EXCLUDES CERTAIN SHARES					
11	PERCENT OF CLASS REPRESENTED BY AMOUNT IN ROW (9)					
	8.3%					
12	TYPE OF REP	ORTING PERSO	ON			
	IN					
8						

CUSIP NO. 766559603

Item 1(a). Name of Issuer:

Rigel Pharmaceuticals, Inc., a Delaware corporation (the "Issuer").

Item 1(b). Address of Issuer's Principal Executive Offices:

1180 Veterans Boulevard

South San Francisco, California 94080

Item 2(a). Name of Person Filing

Item 2(b). Address of Principal Business Office or, if None, Residence

Item 2(c). Citizenship

Biotechnology Value Fund, L.P. ("BVF") 900 North Michigan Avenue, Suite 1100

Chicago, Illinois 60611 Citizenship: Delaware

Biotechnology Value Fund II, L.P. ("BVF2") 900 North Michigan Avenue, Suite 1100

Chicago, Illinois 60611

Citizenship: Delaware

BVF Investments, L.L.C. ("BVLLC")

900 North Michigan Avenue, Suite 1100

Chicago, Illinois 60611

Citizenship: Delaware

Investment 10, L.L.C. ("ILL10")

900 North Michigan Avenue, Suite 1100

Chicago, Illinois 60611

Citizenship: Illinois

BVF Partners L.P. ("Partners")

900 North Michigan Avenue, Suite 1100

Chicago, Illinois 60611

Citizenship: Delaware

BVF Inc.

900 North Michigan Avenue, Suite 1100

Chicago, Illinois 60611

Citizenship: Delaware

Mark N. Lampert ("Mr. Lampert")

900 North Michigan Avenue, Suite 1100

Chicago, Illinois 60611

Citizenship: United States

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

CUSIP NO. 70	66559603					
Item 2(d).		Title of Class of Securities:				
Common Stoc	k, par value \$0.0	001 per share (the	"Common Stock"	")		
Item 2(e).			CUSIP N	umber:		
766559603						
Item 3. If This	Statement is Fil	ed Pursuant to Ru	le 13d-1(b), or 13	3d-2(b) or (c), Check Whether the Person Filing is a:		
			/x/	Not applicable.		
(a)	//	Broker or	r dealer registered	under Section 15 of the Exchange Act.		
	(b)	// B	Bank as defined in	Section 3(a)(6) of the Exchange Act.		
(c)	//	Insurance con	mpany as defined	in Section 3(a)(19) of the Exchange Act.		
(d)	// In	vestment company	y registered under	Section 8 of the Investment Company Act.		
(e)) //	// An investment adviser in accordance with Rule 13d-1(b)(1)(ii)(E).				
(f) /	// An emplo	oyee benefit plan o	or endowment fur	nd in accordance with Rule 13d-1(b)(1)(ii)(F).		
(g)	// A parent	A parent holding company or control person in accordance with Rule 13d-1(b)(1)(ii)(G).				
(h)	// A savi	ngs association as	defined in Section	on 3(b) of the Federal Deposit Insurance Act.		
	h plan that is exent Company Ac		definition of an	investment company under Section 3(c)(14) of the		
	(j)	//	Group, in acc	ordance with Rule 13d-1(b)(1)(ii)(J).		
_		with Rule 240.13d (J), please specify		f filing as a non-U.S. institution in accordance with ution:		
Item 4.			Owners	hip		
	(:	a)	Amo	ount beneficially owned:		
As of the clos	se of business or	n June 3, 2011, (i	i) BVF beneficia	lly owned 1,249,474 shares of Common Stock, (ii)		

BVF2 beneficially owned 841,000 shares of Common Stock, (iii) BVLLC beneficially owned 3,236,000 shares of Common Stock, and (iv) ILL10 beneficially owned 371,000 shares of Common Stock.

Partners, as the general partner of BVF and BVF2, the manager of BVLLC and the investment adviser of ILL10, may be deemed to beneficially own the 5,697,474 shares of Common Stock beneficially owned in the aggregate by BVF, BVF2, BVLLC and ILL10.

BVF Inc., as the general partner of Partners, may be deemed to beneficially own the 5,697,474 shares of Common Stock beneficially owned by Partners.

CUSIP NO. 766559603

Mr. Lampert, as a director and officer of BVF Inc., may be deemed to beneficially own the 5,697,474 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 BVF, BVF2, BVLLC and ILL10 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 68,579,117 shares of Common Stock outstanding as disclosed in the Issuer's Prospectus Supplement filed pursuant to Rule 424(b)(5) of the Securities Act of 1933, as amended, with the Securities and Exchange Commission on May 26, 2011.

As of the close of business on June 3, 2011, (i) BVF beneficially owned approximately 1.8% of the outstanding shares of Common Stock, (ii) BVF2 beneficially owned approximately 1.2% of the outstanding shares of Common Stock, (iii) BVLLC beneficially owned approximately 4.7% of the outstanding shares of Common Stock, (iv) ILL10 beneficially owned less than 1% of the outstanding shares of Common Stock and (v) each of Partners, BVF Inc. and Mr. Lampert may be deemed to beneficially own approximately 8.3% 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.

Not Applicable.

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 BVF, BVF2, BVLLC and ILL10.

CUSIP NO. 766559603

Item Identification and Classification of the Subsidiary That Acquired the Security Being Reported on by the ParentHolding 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.

CUSIP NO. 766559603

SIGNATURE

After reasonable inquiry and to the best of his knowledge and belief, each of the undersigned certifies that the information set forth in this statement is true, complete and correct.

Dated: June 6, 2011

BIOTECHNOLOGY VALUE FUND, L.P. INVESTMENT 10, L.L.C.

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

partner manager

By: BVF Inc., its general partner By: BVF Inc., its general partner

By: /s/ Mark N. Lampert By: /s/ Mark N. Lampert

Mark N. Lampert Mark N. Lampert

President President

BIOTECHNOLOGY VALUE FUND II, L.P. BVF PARTNERS L.P.

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

partner

By: BVF Inc., its general partner By: /s/ Mark N. Lampert

Mark N. Lampert

By: /s/ Mark N. Lampert President

Mark N. Lampert

President

BVF INC.

BVF INVESTMENTS, L.L.C. By: /s/ Mark N. Lampert

Mark N. Lampert

By: BVF Partners L.P., its manager President

By: BVF Inc., its general partner

By: /s/ Mark N. Lampert /s/ Mark N. Lampert

Mark N. Lampert MARK N. LAMPERT

President