RIGEL PHARMACEUTICALS INC Form SC 13G/A February 14, 2013

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. 2)1

Rigel Pharmaceuticals, Inc. (Name of Issuer)

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

766559603 (CUSIP Number)

December 31, 2012 (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 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. 766559603

 NAME OF REPORTING PERSON
Biotechnology Value Fund, L.P.
CHECK THE APPROPRIATE BOX IF A MEMBER OF A (a) x GROUP (b) o
SEC USE ONLY

4 CITIZENSHIP OR PLACE OF ORGANIZATION

8

Delaw	are		
NUMBER OF	5	SOLE VOTING POWER	
SHARES			
BENEFICIALLY		0 shares	
OWNED BY	6	SHARED VOTING POWER	
EACH			
REPORTING		1,346,476	
PERSON WITH	7	SOLE DISPOSITIVE POWER	
		0 shares	
		0 shares	

0 shares
SHARED DISPOSITIVE POWER

1,346,476

9 AGGREGATE AMOUNT BENEFICIALLY OWNED BY EACH REPORTING PERSON

1,346,476

- 10 CHECK BOX IF THE AGGREGATE AMOUNT IN ROW (9) " EXCLUDES CERTAIN SHARES
- 11 PERCENT OF CLASS REPRESENTED BY AMOUNT IN ROW (9)

1.5%

12 TYPE OF REPORTING PERSON

PN

1	NAME OF REPORTING PERSON	
2 3	Biotechnology Value Fund II, L.P. CHECK THE APPROPRIATE BOX IF A MEMBER OF A GROUP SEC USE ONLY	(a) x (b) o
4	CITIZENSHIP OR PLACE OF ORGANIZATION	

	Delaware		
NUMBER OF	4	5	SOLE VOTING POWER
SHARES			
BENEFICIALLY	7		0 shares
OWNED BY	ť	5	SHARED VOTING POWER
EACH			
REPORTING			774,632
PERSON WITH	7	7	SOLE DISPOSITIVE POWER

0 shares

SHARED DISPOSITIVE POWER

774,632

9 AGGREGATE AMOUNT BENEFICIALLY OWNED BY EACH REPORTING PERSON

774,632

- 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 REPORTING PERSON

8

PN

1	NAME OF REPORTING PERSON	
2	BVF Investments, L.L.C. CHECK THE APPROPRIATE BOX IF A MEMBER OF A GROUP	(a) x (b) o
3	SEC USE ONLY	(0) 0
4	CITIZENSHIP OR PLACE OF ORGANIZATION	

D	elaware	
NUMBER OF	5	SOLE VOTING POWER
SHARES		
BENEFICIALLY		0 shares
OWNED BY	6	SHARED VOTING POWER
EACH		
REPORTING		5,233,344
PERSON WITH	7	SOLE DISPOSITIVE POWER

0 shares

SHARED DISPOSITIVE POWER

5,233,344

9 AGGREGATE AMOUNT BENEFICIALLY OWNED BY EACH REPORTING PERSON

5,233,344

- 10 CHECK BOX IF THE AGGREGATE AMOUNT IN ROW (9) " EXCLUDES CERTAIN SHARES
- 11 PERCENT OF CLASS REPRESENTED BY AMOUNT IN ROW (9)

6.0%

12 TYPE OF REPORTING PERSON

8

1	NAME OF REPORTING PERSON	
2 3	Investment 10, L.L.C. CHECK THE APPROPRIATE BOX IF A MEMBER OF A GROUP SEC USE ONLY	(a) x (b) o
4	CITIZENSHIP OR PLACE OF ORGANIZATION	
	Illinois	

NUMBER OF	5	SOLE VOTING POWER
SHARES		
BENEFICIALLY		0 shares
OWNED BY	6	SHARED VOTING POWER
EACH		
REPORTING		513,545
PERSON WITH	7	SOLE DISPOSITIVE POWER

8

0 shares

SHARED DISPOSITIVE POWER

513,545

9 AGGREGATE AMOUNT BENEFICIALLY OWNED BY EACH REPORTING PERSON

513,545

- 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 REPORTING PERSON

1	NAME OF REPORTING PERSON	
2	BVF Partners L.P. CHECK THE APPROPRIATE BOX IF A MEMBER OF A	(a) x
-	GROUP	(b) o
3	SEC USE ONLY	

4 CITIZENSHIP OR PLACE OF ORGANIZATION

8

Delawa	ire		
NUMBER OF	5	SOLE VOTING POWER	
SHARES			
ENEFICIALLY		0 shares	
OWNED BY	6	SHARED VOTING POWER	
EACH			
REPORTING		7,867,997	
PERSON WITH	7	SOLE DISPOSITIVE POWER	
SHARES ENEFICIALLY OWNED BY EACH REPORTING	-	0 shares SHARED VOTING POWER 7,867,997	

0 shares

SHARED DISPOSITIVE POWER

7,867,997

9 AGGREGATE AMOUNT BENEFICIALLY OWNED BY EACH REPORTING PERSON

7,867,997

- 10 CHECK BOX IF THE AGGREGATE AMOUNT IN ROW (9) " EXCLUDES CERTAIN SHARES
- 11 PERCENT OF CLASS REPRESENTED BY AMOUNT IN ROW (9)

9.0%

12 TYPE OF REPORTING PERSON

PN, IA

1	NAME OF REPORTING PERSON	
2	BVF Inc. CHECK THE APPROPRIATE BOX IF A MEMBER OF A GROUP	(a) x (b) o

- GROUP 3 SEC USE ONLY
- 4 CITIZENSHIP OR PLACE OF ORGANIZATION

8

D	elaware	
NUMBER OF	5	SOLE VOTING POWER
SHARES		
BENEFICIALLY		0 shares
OWNED BY	6	SHARED VOTING POWER
EACH		
REPORTING		7,867,997
PERSON WITH	7	SOLE DISPOSITIVE POWER

0 shares

SHARED DISPOSITIVE POWER

7,867,997

9 AGGREGATE AMOUNT BENEFICIALLY OWNED BY EACH REPORTING PERSON

7,867,997

- 10 CHECK BOX IF THE AGGREGATE AMOUNT IN ROW (9) " EXCLUDES CERTAIN SHARES
- 11 PERCENT OF CLASS REPRESENTED BY AMOUNT IN ROW (9)

9.0%

12 TYPE OF REPORTING PERSON

CO

1	NAME OF REPORTING PERSON	
	Mark N. Lampert	
2	CHECK THE APPROPRIATE BOX IF A MEMBER OF A	(a) x
	GROUP	(b) o
3	SEC USE ONLY	

4 CITIZENSHIP OR PLACE OF ORGANIZATION

8

	United States		
NUMBER OF		5	SOLE VOTING POWER
SHARES			
BENEFICIALLY	7		0 shares
OWNED BY		6	SHARED VOTING POWER
EACH			
REPORTING			7,867,997
PERSON WITH		7	SOLE DISPOSITIVE POWER

0 shares

SHARED DISPOSITIVE POWER

7,867,997

9 AGGREGATE AMOUNT BENEFICIALLY OWNED BY EACH REPORTING PERSON

7,867,997

- 10 CHECK BOX IF THE AGGREGATE AMOUNT IN ROW (9) " EXCLUDES CERTAIN SHARES
- 11 PERCENT OF CLASS REPRESENTED BY AMOUNT IN ROW (9)

9.0%

12 TYPE OF REPORTING PERSON

IN

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 FilingItem 2(b).Address of Principal Business Office or, if None, ResidenceItem 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. 766559603

Item 2(d).

Title of Class of Securities:

Common Stock, par value \$0.001 per share (the "Common Stock")

Item 2(e).

CUSIP Number:

766559603

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.
	(b)	11	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) /	/ Investi	nent company 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 employee	benefit plan or endowment fund in accordance with Rule 13d-1(b)(1)(ii)(F).
(g	g) //	A parent hol	ding company or control person in accordance with Rule 13d-1(b)(1)(ii)(G).
(ł	n) //	A savings a	association as defined in Section 3(b) of the Federal Deposit Insurance Act.
	-	that is exclude ompany Act.	ad from the definition of an investment company under Section $3(c)(14)$ of the
	(j)	/	/ Group, in accordance with Rule 13d-1(b)(1)(ii)(J).
(k)//G	roup, in acc	ordance with R	ule 240.13d-1(b)(1)(ii)(K). If filing as a non-U.S. institution in accordance wit

(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:

As of the close of business on December 31, 2012, (i) BVF beneficially owned 1,346,476 shares of Common Stock, (ii) BVF2 beneficially owned 774,632 shares of Common Stock, (iii) BVLLC beneficially owned 5,233,344 shares of Common Stock, and (iv) ILL10 beneficially owned 513,545 shares of Common Stock.

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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 7,867,997 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 7,867,997 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 7,867,997 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:

The following percentages are based on 87,000,253 shares of Common Stock outstanding as of October 31, 2012, as disclosed in the Issuer's Quarterly Report on Form 10-Q filed with the Securities and Exchange Commission (the "SEC") on November 6, 2012.

As of the close of business on December 31, 2012, (i) BVF beneficially owned approximately 1.5% of the outstanding shares of Common Stock, (ii) BVF2 beneficially owned less than 1% of the outstanding shares of Common Stock, (iii) BVLLC beneficially owned approximately 6.0% 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 9.0% 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.			

CUSIF	PNO. 766559603			
Item 5	n 5. Ownership of Five Percent or Less of a Class.			
Not Ap	oplicable.			
Item 6	Ownership of More than Five Percent on Behalf of Another Person.			
capital of the l	nt to the operating agreement of BVLLC, Partners is authorized, among other things, to invest the contributed of Samana Capital, L.P., the majority member of BVLLC, in the shares of Common Stock and other securities Issuer and to vote, exercise or convert and dispose of each security, and is entitled to receive fees based on under management and, subject to certain exceptions, allocations based on realized and unrealized gains on ssets.			
	rs, BVF Inc. and Mr. Lampert share voting and dispositive power over the shares of Common Stock cially owned by BVF, BVF2, BVLLC and ILL10.			
Item Identification and Classification of the Subsidiary That Acquired the Security Being Reported on by the ParentHolding Company or Control Person.				
Not Aj	oplicable.			
Item 8	Identification and Classification of Members of the Group.			
See Ex	hibit 99.1 to the initial Schedule 13G filed with the SEC on June 6, 2011.			
Item 9	Notice of Dissolution of Group.			
Not Ap	oplicable.			
Item 1	0. Certifications.			
to above of the i	ning below each of the undersigned certifies that, to the best of its knowledge and belief, the securities referred we were not acquired and are not held for the purpose of or with the effect of changing or influencing the control issuer of the securities and were not acquired and are not held in connection with or as a participant in any ction 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: February 14, 2013

BIOTECHNOLO	GY 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	
BIOTECHNOLOGY VALUE FUND II, L.P.		BVF PARTNERS L.P.		
By:	BVF Partners L.P., its general partner	By:	BVF Inc., its general partner	
By: By:	BVF Inc., its general partner /s/ Mark N. Lampert Mark N. Lampert President	By: BVF INC.	/s/ Mark N. Lampert Mark N. Lampert President	
BVF INVESTME	NTS, 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 Mark N. Lampert President		/s/ Mark N. Lampert MARK N. LAMPERT	