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

Annexon, Inc.
(Name of Issuer)
Common Stock, \$0.001 par value per share
(Title of Class of Securities)
03589W102
(CUSIP Number)
May 16, 2022
(Date of Event Which Requires Filing of this Statement)
Check the appropriate box to designate the rule pursuant to which this Schedule is filed:
□ Rule 13d-1(b)
⊠ Rule 13d-1(c)
□ Rule 13d-1(d)
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.
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 ("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).

	T		
1	NAME OF REPOR	ΓING PERSON	
		Value Fund, L.P.	
2	CHECK THE APPR	ROPRIATE BOX IF A MEMBER OF A GROUP	(a) ⊠
			(b) □
3	SEC USE ONLY		
4	CITIZENSHIP OR	PLACE OF ORGANIZATION	
	Delaware		
NUMBER OF	5	SOLE VOTING POWER	
SHARES			
BENEFICIALLY		0	
OWNED BY	6	SHARED VOTING POWER	
EACH			
REPORTING		1,809,854	
PERSON WITH	7	SOLE DISPOSITIVE POWER	
		0	
	8	SHARED DISPOSITIVE POWER	
		1,809,854	
9	AGGREGATE AMO	OUNT BENEFICIALLY OWNED BY EACH REPORTING PERSON	
	1,809,854		
10	CHECK BOX IF TH	HE AGGREGATE AMOUNT IN ROW (9) EXCLUDES CERTAIN SHARES	
		,	
11	PERCENT OF CLA	SS REPRESENTED BY AMOUNT IN ROW (9)	
		· · /	
	4.7%		
12	TYPE OF REPORT	ING PERSON	
	PN		
L			

1	NAME OF REPO	RTING PERSON	
	BVF I GP L	LC	
2	CHECK THE API	PROPRIATE BOX IF A MEMBER OF A GROUP	(a) ⊠
			(b) □
3	SEC USE ONLY		
4	CITIZENSHIP OF	R PLACE OF ORGANIZATION	
	Delaware		
NUMBER OF	5	SOLE VOTING POWER	
SHARES			
BENEFICIALLY		0	
OWNED BY	6	SHARED VOTING POWER	
EACH		1,000,054	
REPORTING		1,809,854	
PERSON WITH	7	SOLE DISPOSITIVE POWER	
		0	
	8	SHARED DISPOSITIVE POWER	
	0	SHARED DISPOSITIVE POWER	
		1,809,854	
9	ACCRECATE AN	MOUNT BENEFICIALLY OWNED BY EACH REPORTING PERSON	
	113GILLOTTE TI	MOON BENEFICIALE OWNED BY ENGINEE ON THE TERROUN	
	1,809,854		
10		THE AGGREGATE AMOUNT IN ROW (9) EXCLUDES CERTAIN SHARES	
11	PERCENT OF CL	ASS REPRESENTED BY AMOUNT IN ROW (9)	
		• • • • • • • • • • • • • • • • • • • •	
	4.7%		
12	TYPE OF REPOR	TING PERSON	
	00		

1	NAME OF REPORT	TINC DEDCON	
1	NAME OF REPORT	ING PERSON	
	Riotochnology	Value Fund II, L.P.	
2		OPRIATE BOX IF A MEMBER OF A GROUP	(a) 🗵
2	CHECK THE APPR	OPRIATE BOX IF A MEMBER OF A GROUP	(a) ⊠ (b) □
			(0) □
3	SEC USE ONLY		
3	SEC USE ONLI		
4	CITIZENSHIP OR I	PLACE OF ORGANIZATION	
7	CITIZENOIIII ONI	ENGL OF OROTHVEITHORY	
	Delaware		
NUMBER OF	5	SOLE VOTING POWER	
SHARES			
BENEFICIALLY		0	
OWNED BY	6	SHARED VOTING POWER	
EACH			
REPORTING		1,333,414	
PERSON WITH	7	SOLE DISPOSITIVE POWER	
		0	
	8	SHARED DISPOSITIVE POWER	
		1,333,414	
9	ACCRECATE AMO	DUNT BENEFICIALLY OWNED BY EACH REPORTING PERSON	
3	AGGREGATE AMC	JOINT BENEFICIALLY OWNED BY EACH REPORTING LEGION	
	1,333,414		
10		IE AGGREGATE AMOUNT IN ROW (9) EXCLUDES CERTAIN SHARES	
11	PERCENT OF CLA	SS REPRESENTED BY AMOUNT IN ROW (9)	
	3.5%		_
12	TYPE OF REPORTI	NG PERSON	
	PN		

1	NAME OF REPORT	TING PERSON	
	BVF II GP LI		
2	CHECK THE APPF	ROPRIATE BOX IF A MEMBER OF A GROUP	(a) ⊠
			(b) □
3	SEC USE ONLY		
4	CITIZENSHIP OR	PLACE OF ORGANIZATION	
	_		
	Delaware		
NUMBER OF	5	SOLE VOTING POWER	
SHARES			
BENEFICIALLY		0	
OWNED BY	6	SHARED VOTING POWER	
EACH		4.000.444	
REPORTING		1,333,414	
PERSON WITH	7	SOLE DISPOSITIVE POWER	
		0	
	8	SHARED DISPOSITIVE POWER	
		1 222 41 4	
	ACCDECATE AM	1,333,414 DUNT BENEFICIALLY OWNED BY EACH REPORTING PERSON	
9	AGGREGALE AMO	JUNI BENEFICIALLY OWNED BY EACH REPORTING PERSON	
	1,333,414		
10		HE AGGREGATE AMOUNT IN ROW (9) EXCLUDES CERTAIN SHARES	П
10	CHECK BOX IF II	TE AGGREGATE AMOUNT IN ROW (9) EXCLUDES CERTAIN SHARES	
11	DERCENT OF CLA	SS REPRESENTED BY AMOUNT IN ROW (9)	
11	I EICENT OF CLA	AND RELIGIOUS TO ANDOUS IN ROW (3)	
	3.5%		
12	TYPE OF REPORT	ING PERSON	
12	I I I I OI KEI OKI	1101210011	
	00		
	1 23		

1	NAME OF REPORT	TINC DEDCON		
1	NAME OF REPORT	NAME OF REFORMING LEASON		
	Riotechnology	Value Trading Fund OS LP		
2		OPRIATE BOX IF A MEMBER OF A GROUP	(a) ⊠	
2	CHECK THE AFFIX	OFRIATE BOX IF A MEMBER OF A GROUP	(a) ⊠ (b) □	
			(6) 🗆	
3	SEC USE ONLY			
_				
4	CITIZENSHIP OR I	PLACE OF ORGANIZATION		
	Cayman Island			
NUMBER OF	5	SOLE VOTING POWER		
SHARES				
BENEFICIALLY		0		
OWNED BY EACH	6	SHARED VOTING POWER		
REPORTING		156,242		
PERSON WITH	7	SOLE DISPOSITIVE POWER		
TERSON WITH	,	SOLE DISTOSITIVE TOWER		
		0		
	8	SHARED DISPOSITIVE POWER		
		156,242		
9	AGGREGATE AMO	DUNT BENEFICIALLY OWNED BY EACH REPORTING PERSON		
10	156,242	TE A CODE CATE AN OLD THE DEPOSIT OF THE CEPTANICAL AND THE		
10	CHECK BOX IF TH	IE AGGREGATE AMOUNT IN ROW (9) EXCLUDES CERTAIN SHARES		
11	DERCENT OF CLA	SS REPRESENTED BY AMOUNT IN ROW (9)		
11	I LICENT OF CLA	oo kerkedented di Awooni in kom (3)		
	Less than 1%			
12	TYPE OF REPORT	ING PERSON		
	PN			

			
1	NAME OF REPOR	TING PERSON	
	BVF Partners		
2	CHECK THE APPI	ROPRIATE BOX IF A MEMBER OF A GROUP	(a) ⊠
			(b) □
3	SEC USE ONLY		
4	CITIZENSHIP OR	PLACE OF ORGANIZATION	
	Cayman Islan		
NUMBER OF	5	SOLE VOTING POWER	
SHARES			
BENEFICIALLY		0	
OWNED BY	6	SHARED VOTING POWER	
EACH			
REPORTING		156,242	
PERSON WITH	7	SOLE DISPOSITIVE POWER	
		0	
	8	SHARED DISPOSITIVE POWER	
		470040	
		156,242	
9	AGGREGATE AM	OUNT BENEFICIALLY OWNED BY EACH REPORTING PERSON	
	150.040		
10	156,242	A CODECATE AMOUNTE IN DOLL (A) EVOLUDES CEDEATY CYLADES	
10	CHECK BOX IF T	HE AGGREGATE AMOUNT IN ROW (9) EXCLUDES CERTAIN SHARES	
11	DED CENT OF CLA	ACC DEDDECEMTED DV. A MOLINIT IN DOW! (0)	
11	PERCENT OF CLF	ASS REPRESENTED BY AMOUNT IN ROW (9)	
	Less than 1%		
12	TYPE OF REPORT		
12	I I PE OF KEPOKI	ING PERSON	
	СО		

1	NAME OF REPORT	TINC DEDSON	
1	INAME OF REPORT	ING FERSON	
	BVF GP Hold	ings LLC	
2		OPRIATE BOX IF A MEMBER OF A GROUP	(a) 🗵
			(b) 🗆
3	SEC USE ONLY		
4	CITIZENSHID OR I	PLACE OF ORGANIZATION	
7	CITIZENSIIII OKI	ENCE OF OROTHVETHOR	
	Delaware		
NUMBER OF	5	SOLE VOTING POWER	
SHARES			
BENEFICIALLY		0	
OWNED BY EACH	6	SHARED VOTING POWER	
REPORTING		3,143,268	
PERSON WITH	7	SOLE DISPOSITIVE POWER	
		0	
	8	SHARED DISPOSITIVE POWER	
		2 142 260	
9	ACCRECATE AMO	3,143,268 DUNT BENEFICIALLY OWNED BY EACH REPORTING PERSON	
	113GILLOTHE THAT	JOHN DELIGHED OWNED DI ENGINEE ORTING LEROON	
	3,143,268		
10	CHECK BOX IF TH	IE AGGREGATE AMOUNT IN ROW (9) EXCLUDES CERTAIN SHARES	
11	DEDCENT OF CLA	CC DEDDECENTED DV AMOUNT IN DOW (0)	
11	PERCENT OF CLA	SS REPRESENTED BY AMOUNT IN ROW (9)	
	8.2%		
12	TYPE OF REPORT	NG PERSON	
	00		

	 		
1	NAME OF REPO	RTING PERSON	
	BVF Partner		
2	CHECK THE APP	PROPRIATE BOX IF A MEMBER OF A GROUP	(a) 🗵
			(b) □
3	SEC USE ONLY		
4	CITIZENSHIP OF	PLACE OF ORGANIZATION	
	Delaware		
NUMBER OF	5	SOLE VOTING POWER	
SHARES			
BENEFICIALLY		0	
OWNED BY	6	SHARED VOTING POWER	
EACH			
REPORTING		3,343,194	
PERSON WITH	7	SOLE DISPOSITIVE POWER	
		0	
	8	SHARED DISPOSITIVE POWER	
		3,343,194	
9	AGGREGATE AM	10UNT BENEFICIALLY OWNED BY EACH REPORTING PERSON	
	3,343,194		
10		THE AGGREGATE AMOUNT IN ROW (9) EXCLUDES CERTAIN SHARES	
11	PERCENT OF CL	ASS REPRESENTED BY AMOUNT IN ROW (9)	
	8.7%		
12	TYPE OF REPOR	TING PERSON	-
	PN, IA		
	,		

1	NAME OF REPORT	TINC DEDSON	
1	NAME OF REPORT	ING PERSON	
	BVF Inc.		
2		OPRIATE BOX IF A MEMBER OF A GROUP	(a) ⊠
2	CHECK THE ATTI	OF RIVITE BOX IF A WILMBER OF A GROOT	(a) ≧ (b) □
			(5)
3	SEC USE ONLY		
4	CITIZENSHIP OR F	LACE OF ORGANIZATION	
	Delaware		
NUMBER OF	5	SOLE VOTING POWER	
SHARES			
BENEFICIALLY OWNED BY	6	0 SHARED VOTING POWER	
EACH	0	SHARED VOTING POWER	
REPORTING		3,343,194	
PERSON WITH	7	SOLE DISPOSITIVE POWER	
		0	
	8	SHARED DISPOSITIVE POWER	
		3,343,194	
9	AGGREGATE AMO	OUNT BENEFICIALLY OWNED BY EACH REPORTING PERSON	
	2 242 104		
10	3,343,194	E AGGREGATE AMOUNT IN ROW (9) EXCLUDES CERTAIN SHARES	П
10	CHECK BOX IF TH	LE AGGREGATE AMOUNT IN ROW (3) EXCEODES CERTAIN STIARES	
11	PERCENT OF CLA	SS REPRESENTED BY AMOUNT IN ROW (9)	
		` '	
	8.7%		
12	TYPE OF REPORTI	NG PERSON	
	CO		

			
1	NAME OF REPOR	TING PERSON	
	Mark N. Lam		
2	CHECK THE APP	ROPRIATE BOX IF A MEMBER OF A GROUP	(a) ⊠
			(b) □
3	SEC USE ONLY		
4	CITIZENSHIP OR	PLACE OF ORGANIZATION	
	United States		
NUMBER OF	5	SOLE VOTING POWER	
SHARES			
BENEFICIALLY		0	
OWNED BY	6	SHARED VOTING POWER	
EACH			
REPORTING		3,343,194	
PERSON WITH	7	SOLE DISPOSITIVE POWER	
		0	
	8	SHARED DISPOSITIVE POWER	
		3,343,194	
9	AGGREGATE AM	OUNT BENEFICIALLY OWNED BY EACH REPORTING PERSON	
	3,343,194		
10		HE AGGREGATE AMOUNT IN ROW (9) EXCLUDES CERTAIN SHARES	
		()	
11	PERCENT OF CLA	ASS REPRESENTED BY AMOUNT IN ROW (9)	
	8.7%		
12	TYPE OF REPORT	TING PERSON	
	IN		
	_ == :		

Item 1(a). Name of Issuer:

Annexon, Inc., a Delaware corporation (the "Issuer").

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

1400 Sierra Point Parkway, Bldg C, Suite 200

Brisbane, California 94005

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")

44 Montgomery St., 40th Floor San Francisco, California 94104

Citizenship: Delaware

BVF I GP LLC ("BVF GP")

44 Montgomery St., 40th Floor

San Francisco, California 94104

Citizenship: Delaware

Biotechnology Value Fund II, L.P. ("BVF2")

44 Montgomery St., 40th Floor

San Francisco, California 94104

Citizenship: Delaware

BVF II GP LLC ("BVF2 GP")

44 Montgomery St., 40th Floor

San Francisco, California 94104

Citizenship: Delaware

Biotechnology Value Trading Fund OS LP ("Trading Fund OS")

PO Box 309 Ugland House

Grand Cayman, KY1-1104

Cayman Islands

Citizenship: Cayman Islands

BVF Partners OS Ltd. ("Partners OS")

PO Box 309 Ugland House

Grand Cayman, KY1-1104

Cayman Islands

Citizenship: Cayman Islands

BVF GP Holdings LLC ("BVF GPH")

44 Montgomery St., 40th Floor

San Francisco, California 94104

Citizenship: Delaware

BVF Partners L.P. ("Partners")

44 Montgomery St., 40th Floor

San Francisco, California 94104

Citizenship: Delaware

BVF Inc.

44 Montgomery St., 40th Floor San Francisco, California 94104

Citizenship: Delaware

Mark N. Lampert ("Mr. Lampert") 44 Montgomery St., 40th Floor San Francisco, California 94104 Citizenship: United States

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

Item 2(d). Title of Class of Securities:

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

Item 2(e). CUSIP Number:

03589W102

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)	//	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.
(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)	//	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.
(i)	//	A church plan that is excluded from the definition of an investment company under Section $3(c)(14)$ of the Investment Company Act.
(j)	//	A non-U.S. institution, in accordance with Rule 13d-1(b)(1)(ii)(J).
(k)	//	Group, in accordance with Rule $13d-1(b)(1)(ii)(K)$. If filing as a non-U.S. institution in accordance with Rule $13d-1(b)(1)(ii)(J)$, please specify the type of institution:
		13

Item 4. Ownership

(a) Amount beneficially owned:

As of the close of business on May 26, 2022, (i) BVF beneficially owned 1,809,854 Shares, (ii) BVF2 beneficially owned 1,333,414 Shares and (iii) Trading Fund OS beneficially owned 156,242 Shares.

BVF GP, as the general partner of BVF, may be deemed to beneficially own the 1,809,854 Shares beneficially owned by BVF.

BVF2 GP, as the general partner of BVF2, may be deemed to beneficially own the 1,333,414 Shares beneficially owned by BVF2.

Partners OS, as the general partner of Trading Fund OS, may be deemed to beneficially own the 156,242 Shares beneficially owned by Trading Fund OS.

BVF GPH, as the sole member of each of BVF GP and BVF2 GP, may be deemed to beneficially own the 3,143,268 Shares beneficially owned in the aggregate by BVF and BVF2.

Partners, as the investment manager of BVF, BVF2 and Trading Fund OS, and the sole member of Partners OS, may be deemed to beneficially own the 3,343,194 Shares beneficially owned in the aggregate by BVF, BVF2 and Trading Fund OS and held in a certain Partners managed account (the "Partners Managed Account"), including 43,684 Shares held in the Partners Managed Account.

BVF Inc., as the general partner of Partners, may be deemed to beneficially own the 3,343,194 Shares beneficially owned by Partners.

Mr. Lampert, as a director and officer of BVF Inc., may be deemed to beneficially own the 3,343,194 Shares 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 owned by another Reporting Person. BVF GP disclaims beneficial ownership of the Shares beneficially owned by BVF. BVF2 GP disclaims beneficial ownership of the Shares beneficially owned by BVF2. Partners OS disclaims beneficial ownership of the Shares beneficially owned by Trading Fund OS. BVF GPH disclaims beneficial ownership of the Shares beneficially owned by BVF and BVF2. Each of Partners, BVF Inc. and Mr. Lampert disclaims beneficial ownership of the Shares beneficially owned by BVF, BVF2 and Trading Fund OS and held in the Partners Managed Account, 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 38,563,565 Shares outstanding as of May 2, 2022, as disclosed in the Issuer's Quarterly Report on Form 10-Q filed with the Securities and Exchange Commission on May 9, 2022.

As of the close of business on May 26, 2022, (i) BVF beneficially owned approximately 4.7% of the outstanding Shares, (ii) BVF2 beneficially owned approximately 3.5% of the outstanding Shares, (iii) Trading Fund OS beneficially owned less than 1% of the outstanding Shares, (iv) BVF GP may be deemed to beneficially own approximately 4.7% of the outstanding Shares, (v) BVF2 GP may be deemed to beneficially own approximately 3.5% of the outstanding Shares, (vi) Partners OS may be deemed to beneficially own less than 1% of the outstanding Shares, (vii) BVF GPH may be deemed to beneficially own approximately 8.2% of the outstanding Shares, and (viii) each of Partners, BVF Inc. and Mr. Lampert may be deemed to beneficially own approximately 8.7% of the outstanding Shares (less than 1% of the outstanding Shares are held in the Partners Managed Account).

- (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.

BVF GPH, Partners, BVF Inc. and Mr. Lampert share voting and dispositive power over the Shares beneficially owned by BVF and BVF2. Partners, BVF Inc. and Mr. Lampert share voting and dispositive power over the Shares beneficially owned by Trading Fund OS and held in the Partners Managed Account.

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.

BVF Inc., its general partner

/s/ Mark N. Lampert Mark N. Lampert President

By:

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: May 26, 2022 BIOTECHNOLOGY VALUE FUND, L.P. BIOTECHNOLOGY VALUE TRADING FUND OS LP By: BVF Partners L.P., its investment manager BVF I GP LLC., its general partner BVF Inc., its general partner By: /s/ Mark N. Lampert Mark N. Lampert /s/ Mark N. Lampert Chief Executive Officer Mark N. Lampert President **BVF I GP LLC BVF GP HOLDINGS LLC** /s/ Mark N. Lampert By: Mark N. Lampert /s/ Mark N. Lampert Chief Executive Officer Mark N. Lampert Chief Executive Officer BIOTECHNOLOGY VALUE FUND II, L.P. BVF PARTNERS L.P. BVF II GP LLC, its general partner By: BVF Inc., its general partner /s/ Mark N. Lampert By: Mark N. Lampert /s/ Mark N. Lampert Chief Executive Officer Mark N. Lampert President **BVF II GP LLC** BVF INC. By: /s/ Mark N. Lampert /s/ Mark N. Lampert Mark N. Lampert Chief Executive Officer Mark N. Lampert President BVF PARTNERS OS LTD. /s/ Mark N. Lampert BVF Partners L.P., its sole member MARK N. LAMPERT

16

Joint Filing Agreement

The undersigned hereby agree that the Statement on Schedule 13G dated May 26, 2022 with respect to the Common Stock, \$0.001 par value per share of Annexon, Inc., a Delaware corporation, 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: May 26, 2022

BIOTECHNOLOGY VALUE FUND, L.P.

By: BVF I GP LLC., its general partner

By: /s/ Mark N. Lampert

Mark N. Lampert Chief Executive Officer

BVF I GP LLC

By: /s/ Mark N. Lampert

Mark N. Lampert Chief Executive Officer

BIOTECHNOLOGY VALUE FUND II, L.P.

By: BVF II GP LLC, its general partner

By: /s/ Mark N. Lampert

Mark N. Lampert Chief Executive Officer

BVF II GP LLC

By: /s/ Mark N. Lampert

Mark N. Lampert

Chief Executive Officer

BVF PARTNERS OS LTD.

By: BVF Partners L.P., its sole member

By: BVF Inc., its general partner

By: /s/ Mark N. Lampert

Mark N. Lampert

President

BIOTECHNOLOGY VALUE TRADING FUND OS LP

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

By: BVF Inc., its general partner

By: /s/ Mark N. Lampert

Mark N. Lampert President

BVF GP HOLDINGS LLC

By: /s/ Mark N. Lampert

Mark N. Lampert Chief Executive Officer

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