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

Delcath Systems, Inc. (Name of Issuer)

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

24661P807

(CUSIP Number)

September 30, 2024

(Date of Event Which Requires Filing of this Statement)

Check the appropriate box to designate the rule pursuant to which this Schedule is filed:

 \square Rule 13d-1(b)

 \boxtimes Rule 13d-1(c)

 \Box 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 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*).

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1	NAME OF REPC	DRTING PERSON	
		bgy Value Fund, L.P.	
2	CHECK THE APPROPRIATE BOX IF A MEMBER OF A GROUP		(a) 🗵
			(b) 🗆
3	SEC USE ONLY		
4	CITIZENSHIPO	R PLACE OF ORGANIZATION	
7		RTEACE OF ORGANIZATION	
	Delaware		
NUMBER OF	5	SOLE VOTING POWER	
SHARES			
BENEFICIALLY		0	
OWNED BY	6	SHARED VOTING POWER	
EACH			
REPORTING		556,667 (1)	
PERSON WITH	7	SOLE DISPOSITIVE POWER	
	8	0 SHARED DISPOSITIVE POWER	
	0	SHARED DISPOSITIVE FOWER	
		556,667 (1)	
9	AGGREGATE A	MOUNT BENEFICIALLY OWNED BY EACH REPORTING PERSON	
	556,667 (1)		
10	CHECK BOX IF	THE AGGREGATE AMOUNT IN ROW (9) EXCLUDES CERTAIN SHARES	
11	PERCENT OF CI	LASS REPRESENTED BY AMOUNT IN ROW (9)	
	1.00/(1)		
12	1.9% (1) TYPE OF REPOI	PTING BEDSON	
12	I I PE OF KEPOI	AT HNU FERJUN	
	PN		
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(1) Consists of Shares (as defined below) underlying certain Series F-4 Preferred Stock (as defined below).

1	NAME OF REPC	ORTING PERSON	
	BVF I GP I		
2	CHECK THE APPROPRIATE BOX IF A MEMBER OF A GROUP		$(a) \boxtimes$
			(b) 🗆
3	SEC USE ONLY		
5	SEC USE ONEI		
4	CITIZENSHIP O	R PLACE OF ORGANIZATION	
	Delaware		
NUMBER OF SHARES	5	SOLE VOTING POWER	
BENEFICIALLY		0	
OWNED BY	6	SHARED VOTING POWER	
EACH	0		
REPORTING		556,667 (1)	
PERSON WITH	7	SOLE DISPOSITIVE POWER	
	8	0 SHARED DISPOSITIVE POWER	
	0	SHARED DISFOSITIVE FOWER	
		556,667 (1)	
9	AGGREGATE A	MOUNT BENEFICIALLY OWNED BY EACH REPORTING PERSON	
10	556,667 (1)		
10	CHECK BOX IF	THE AGGREGATE AMOUNT IN ROW (9) EXCLUDES CERTAIN SHARES	
11	PERCENT OF C	LASS REPRESENTED BY AMOUNT IN ROW (9)	
	1.9% (1)		
12	TYPE OF REPOR	RTING PERSON	
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1	NAME OF REPO	RTING PERSON	
	Biotechnolo	gy Value Fund II, L.P.	_
2	CHECK THE APPROPRIATE BOX IF A MEMBER OF A GROUP		(a) 🗵
			(b) 🗆
	GEG LIGE ONLY		
3	SEC USE ONLY		
4	CITIZENSHIP O	R PLACE OF ORGANIZATION	
т			
	Delaware		
NUMBER OF	5	SOLE VOTING POWER	
SHARES			
BENEFICIALLY		0	
OWNED BY	6	SHARED VOTING POWER	
EACH			
REPORTING		423,333 (1)	
PERSON WITH	7	SOLE DISPOSITIVE POWER	
		0	
	8	SHARED DISPOSITIVE POWER	<u> </u>
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		423,333 (1)	
9	AGGREGATE A	MOUNT BENEFICIALLY OWNED BY EACH REPORTING PERSON	
	423,333 (1)		
10	CHECK BOX IF	THE AGGREGATE AMOUNT IN ROW (9) EXCLUDES CERTAIN SHARES	
11	DED CENT OF C	LASS REPRESENTED BY AMOUNT IN ROW (9)	
11	I ERCENT OF CI	LASS KEI KESENTED DT AWOUNT IN KOW (9)	
	1.5% (1)		
12	TYPE OF REPOR	ATING PERSON	
	PN		

1	NAME OF REPO	RTING PERSON	
	BVF II GP		
2	CHECK THE AP	PROPRIATE BOX IF A MEMBER OF A GROUP	$(a) \boxtimes$
			(b) 🗆
3	SEC USE ONLY		
5	SEC OSE ONEI		
4	CITIZENSHIP O	R PLACE OF ORGANIZATION	
NUMBER OF	Delaware		
NUMBER OF SHARES	5	SOLE VOTING POWER	
BENEFICIALLY		0	
OWNED BY	6	SHARED VOTING POWER	
EACH			
REPORTING		423,333 (1)	
PERSON WITH	7	SOLE DISPOSITIVE POWER	
		0	
	8	SHARED DISPOSITIVE POWER	
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		423,333 (1)	
9	AGGREGATE A	MOUNT BENEFICIALLY OWNED BY EACH REPORTING PERSON	
	400,000 (1)		
10	423,333 (1)	THE AGGREGATE AMOUNT IN ROW (9) EXCLUDES CERTAIN SHARES	Π
10	CHECK BOA IF	THE AGOREGATE AMOUNT IN ROW (9) EACLODES CERTAIN SHARES	
11	PERCENT OF CI	LASS REPRESENTED BY AMOUNT IN ROW (9)	
- 10	1.5% (1)		
12	TYPE OF REPOR	RTING PERSON	
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	00		

1	NAME OF REPO	DRTING PERSON	
		ogy Value Trading Fund OS LP	
2	CHECK THE APPROPRIATE BOX IF A MEMBER OF A GROUP		(a) 🗵
			(b) 🗆
3	SEC USE ONLY		
4	CITIZENSHIDO	R PLACE OF ORGANIZATION	
7	CITIZENSIIII O	RTEACE OF OROANIZATION	
	Cayman Isl	ands	
NUMBER OF	5	SOLE VOTING POWER	
SHARES	-		
BENEFICIALLY		0	
OWNED BY	6	SHARED VOTING POWER	
EACH			
REPORTING		48,333 (1)	
PERSON WITH	7	SOLE DISPOSITIVE POWER	
	0	0 SHARED DISPOSITIVE POWER	
	8	SHARED DISPOSITIVE POWER	
		48,333 (1)	
9	AGGREGATE A	MOUNT BENEFICIALLY OWNED BY EACH REPORTING PERSON	
	48,333 (1)		
10		THE AGGREGATE AMOUNT IN ROW (9) EXCLUDES CERTAIN SHARES	
11	PERCENT OF CI	LASS REPRESENTED BY AMOUNT IN ROW (9)	
	To and the	0/ /1)	
12	Less than 1		
12	TYPE OF REPOR	KI INU PEKSUN	
	PN		
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1	NAME OF REPO	RTING PERSON	
	BVF Partne		
2	CHECK THE APPROPRIATE BOX IF A MEMBER OF A GROUP		(a) 🗵
			(b) 🗆
3	SEC USE ONLY		
4	CITIZENCIUD OI	R PLACE OF ORGANIZATION	
4	CITIZENSHIP OI	K PLACE OF OKGANIZATION	
	Cayman Isla	ands	
NUMBER OF	5	SOLE VOTING POWER	
SHARES			
BENEFICIALLY		0	
OWNED BY	6	SHARED VOTING POWER	
EACH			
REPORTING		48,333 (1)	
PERSON WITH	7	SOLE DISPOSITIVE POWER	
	0		
	8	SHARED DISPOSITIVE POWER	
		48,333 (1)	
9	AGGREGATE AN	MOUNT BENEFICIALLY OWNED BY EACH REPORTING PERSON	
,			
	48,333 (1)		
10		THE AGGREGATE AMOUNT IN ROW (9) EXCLUDES CERTAIN SHARES	
11	PERCENT OF CI	LASS REPRESENTED BY AMOUNT IN ROW (9)	
12	Less than 19		
12	TYPE OF REPOR	CHNG PEKSUN	
	СО		
<u> </u>	0		

1	NAME OF REPO	RTING PERSON	
	BVF GP Ho		
2	CHECK THE APPROPRIATE BOX IF A MEMBER OF A GROUP		(a) 🗵
			(b) 🗆
3	SEC USE ONLY		
3	SEC USE ONLY		
4	CITIZENSHIP O	R PLACE OF ORGANIZATION	
	Delaware		
NUMBER OF	5	SOLE VOTING POWER	
SHARES			
BENEFICIALLY			
OWNED BY EACH	6	SHARED VOTING POWER	
REPORTING		980,000 (1)	
PERSON WITH	7	SOLE DISPOSITIVE POWER	
	1	Sole Distositive fower	
		0	
	8	SHARED DISPOSITIVE POWER	
		980,000 (1)	
9	AGGREGATE A	MOUNT BENEFICIALLY OWNED BY EACH REPORTING PERSON	
	080.000 (1)		
10	980,000 (1)	THE AGGREGATE AMOUNT IN ROW (9) EXCLUDES CERTAIN SHARES	
10	CHECK BOA IF	THE AGOREGATE AMOUNT IN NOW (3) EACEDDES CERTAIN SHARES	
11	PERCENT OF CI	LASS REPRESENTED BY AMOUNT IN ROW (9)	
	3.4% (1)		
12	TYPE OF REPOR	RTING PERSON	
	00		

1	NAME OF REPO	DRTING PERSON	
	BVF Partne		
2	CHECK THE AP	PPROPRIATE BOX IF A MEMBER OF A GROUP	(a) 🗵
			(b) 🗆
3	SEC USE ONLY		
3	SEC USE ONLY		
4	CITIZENSHIP O	R PLACE OF ORGANIZATION	
	Delaware		
NUMBER OF	5	SOLE VOTING POWER	
SHARES			
BENEFICIALLY		0	
OWNED BY	6	SHARED VOTING POWER	
EACH REPORTING		1 041 667 (1)	
PERSON WITH	7	1,041,667 (1) SOLE DISPOSITIVE POWER	
I ERBOIN WITH	,	SOLE DISTOSTIVE FOWER	
		0	
	8	SHARED DISPOSITIVE POWER	
		1,041,667 (1)	
9	AGGREGATE A	MOUNT BENEFICIALLY OWNED BY EACH REPORTING PERSON	
	1.041.007.0	(1)	
10	1,041,667 (THE AGGREGATE AMOUNT IN ROW (9) EXCLUDES CERTAIN SHARES	
10	CHECK BOA IF	THE AGOREDATE AMOUNT IN ROW (9) EXCLUDES CERTAIN SHARES	
11	PERCENT OF C	LASS REPRESENTED BY AMOUNT IN ROW (9)	
	3.6% (1)		
12	TYPE OF REPO	RTING PERSON	
	PN, IA		

1	NAME OF REPO	RTING PERSON	
	BVF Inc.		
2	CHECK THE APPROPRIATE BOX IF A MEMBER OF A GROUP		(a) 🗵
			(b) 🗆
3	SEC USE ONLY		
4	CITIZENSHIPO	R PLACE OF ORGANIZATION	
7		RILACE OF ORDANIZATION	
	Delaware		
NUMBER OF	5	SOLE VOTING POWER	
SHARES			
BENEFICIALLY		0	
OWNED BY	6	SHARED VOTING POWER	
EACH			
REPORTING		1,041,667 (1)	
PERSON WITH	7	SOLE DISPOSITIVE POWER	
		0	
	8	SHARED DISPOSITIVE POWER	
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		1,041,667 (1)	
9	AGGREGATE A	MOUNT BENEFICIALLY OWNED BY EACH REPORTING PERSON	
1.0	1,041,667 (
10	CHECK BOX IF	THE AGGREGATE AMOUNT IN ROW (9) EXCLUDES CERTAIN SHARES	
11	DEDCENT OF C	LASS REPRESENTED BY AMOUNT IN ROW (9)	
11	I ERCENT OF CI	LASS KEI KESENTED DI AIVIOUNI IN KOW (9)	
	3.6% (1)		
12	TYPE OF REPOR	RTING PERSON	
	CO		

1	NAME OF REPO	ORTING PERSON	
	Mark N. La		
2	CHECK THE APPROPRIATE BOX IF A MEMBER OF A GROUP		(a) 🗵
			(b) 🗆
3	SEC USE ONLY		
5	SEC USE ONLY		
4	CITIZENSHIP O	R PLACE OF ORGANIZATION	
	United Stat		
NUMBER OF	5	SOLE VOTING POWER	
SHARES			
BENEFICIALLY			
OWNED BY EACH	6	SHARED VOTING POWER	
REPORTING		1,041,667 (1)	
PERSON WITH	7	SOLE DISPOSITIVE POWER	
	,		
		0	
	8	SHARED DISPOSITIVE POWER	
0		1,041,667 (1) MOUNT BENEFICIALLY OWNED BY EACH REPORTING PERSON	
9	AGGREGALE A	MOUNT BENEFICIALLY OWNED BY EACH REPORTING PERSON	
	1,041,667 ((1)	
10		THE AGGREGATE AMOUNT IN ROW (9) EXCLUDES CERTAIN SHARES	
11	PERCENT OF C	LASS REPRESENTED BY AMOUNT IN ROW (9)	
	2(0/(1))		
12	3.6% (1) TYPE OF REPO	DTING DEDSON	
12	I I PE OF KEPU	KTINO FERSON	
	IN		
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Item 1(a).	Name of Issuer:
	Delcath Systems, Inc., a Delaware corporation (the "Issuer").
Item 1(b).	Address of Issuer's Principal Executive Offices:
	566 Queensbury Avenue Queensbury, New York 12804
Item 2(a). Item 2(b). Item 2(c).	Name of Person Filing Address of Principal Business Office or, if None, Residence 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

	44 Mor San Fra	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				
	44 Mor San Fra					
	44 Mor San Fra	itgomery St	"Mr. Lampert") , 40th Floor fornia 94104 States			
	Each of	the foregoi	ng is referred to as a "Reporting Person" and collectively as the "Reporting Persons."			
Item 2(d).	Title of	Class of S	ecurities:			
	Commo	Common Stock, \$0.01 par value per share (the "Shares").				
Item 2(e).	CUSIP	CUSIP Number:				
	24661P807					
Item 3.	If This	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: _____

Item 4.

(a) Amount beneficially owned:

Ownership

As of the close of business on September 30, 2024, the Reporting Persons and a certain Partners managed account (the "Partners Managed Account") held preferred stock tranche B warrants (the "Tranche B Warrants"), exercisable into an aggregate of 6,250 shares of Series F-4 Convertible Preferred Stock (the "Series F-4 Preferred Stock"), which in turn are convertible into an aggregate of 1,041,667 Shares at a conversion price of \$6.00 per Share. The Tranche B Warrants are exercisable at any time, have an exercise price of \$1,000 per share of Series F-4 Preferred Stock, and expire on the earlier of (i) twenty-one (21) days following the date of the Issuer's public announcement of recording at least \$10,000,000 in quarterly U.S. revenue from the commercialization of HEPZATO and (ii) March 31, 2026. A holder of the Series F-4 Preferred Stock shall not have the right to convert any portion of the Series F-4 Preferred Stock and such Series F-4 Preferred Stock shall not be automatically converted, to the extent that after giving effect to such conversion, such holder thereof, together with its affiliates, any other persons acting as a group together, and any other persons whose beneficial ownership of Shares would be aggregated with such holder and the other attribution parties for purposes of Section 13(d) of the Securities Exchange Act of 1934 (the "Exchange Act") would beneficially own in excess of 9.99% of the Shares outstanding immediately after giving effect to such conversion, excluding for purposes of such determination Shares which would be issuable upon conversion of the remaining, unconverted portion of all series of Series F Convertible Preferred Stock of the Issuer beneficially owned (the "Beneficial Ownership Limitation"). As of the close of business on September 30, 2024, assuming all the Tranche B Warrants held in the aggregate by the Reporting Persons and the Partners Managed Account were exercised for Series F-4 Preferred Stock, the Beneficial Ownership Limitation does not limit the conversion of any of the Series F-4 Preferred Stock held by them.

As of the close of business on September 30, 2024, (i) BVF beneficially owned 556,667 Shares, consisting of Shares underlying the Series F-4 Preferred Stock, which in turn are underlying the Tranche B Warrants held by it, (ii) BVF2 beneficially owned 423,333 Shares, consisting of Shares underlying the Series F-4 Preferred Stock, which in turn are underlying the Tranche B Warrants held by it, and (iii) Trading Fund OS beneficially owned 48,333 Shares, consisting of Shares underlying the Tranche B Warrants held by it.

BVF GP, as the general partner of BVF, may be deemed to beneficially own the 556,667 Shares beneficially owned by BVF.

BVF2 GP, as the general partner of BVF2, may be deemed to beneficially own the 423,333 Shares beneficially owned by BVF2.

Partners OS, as the general partner of Trading Fund OS, may be deemed to beneficially own the 48,333 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 980,000 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 1,041,667 Shares beneficially owned in the aggregate by BVF, BVF2 and Trading Fund OS and the Partners Managed Account, including the 13,333 Shares underlying the Series F-4 Preferred Stock, which in turn are underlying the Tranche B Warrants, held in the Partners Managed Account.

BVF Inc., as the general partner of Partners, may be deemed to beneficially own the 1,041,667 Shares beneficially owned by Partners.

Mr. Lampert, as a director and officer of BVF Inc., may be deemed to beneficially own the 1,041,667 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 beneficial ownership of the Shares beneficially owned by BVF2. Partners OS disclaims beneficial ownership of the Shares beneficially owned by BVF2. Each of Partners, BVF Inc. and Mr. Lampert disclaims beneficial ownership of the Shares beneficially owned by 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 upon a denominator that is the sum of (i) 28,000,843 Shares outstanding as of August 31, 2024, which is the total number of Shares outstanding as reported in the Issuer's Prospectus on Form 424B3 filed with the Securities and Exchange Commission on September 26, 2024, and (ii) 1,041,667 Shares issuable upon the conversion of certain Series F-4 Preferred Stock held by the Reporting Persons and the Partners Managed Account, as applicable.

As of the close of business on September 30, 2024, (i) BVF beneficially owned approximately 1.9% of the outstanding Shares, (ii) BVF2 beneficially owned approximately 1.5% 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 1.9% of the outstanding Shares, (v) BVF2 GP may be deemed to beneficially own approximately 1.5% 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 3.4% of the outstanding Shares, and (viii) each of Partners, BVF Inc. and Mr. Lampert may be deemed to beneficially own approximately 3.6% of the outstanding Shares (less than 1% of the outstanding Shares are represented by Shares held in the Partners Managed Account).

CUSIP No. 24661P807		
	(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 Persons have ceased to be the beneficial owner of more than five percent of the Shares, check the following [X].
Item 6.		Ownership of More than Five Percent on Behalf of Another Person.
		Not Applicable.
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 to the Schedule 13G filed with the Securities and Exchange Commission on June 22, 2023.
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.

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: November 14, 2024

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