UNITED STATES SECURITIES AND EXCHANGE COMMISSION Washington, D.C. 20549

SCHEDULE 13G (Rule 13d-102)

(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. 8)¹

Pieris Pharmaceuticals, Inc. (Name of Issuer)

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

720795103

(CUSIP Number)

December 31, 2021

(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)

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*).

	4		
1	NAME OF REPO	RTING PERSON	
		gy Value Fund, L.P.	
2			(a) 🗵
			(b) 🗆
3	SEC USE ONLY		
4	CITIZENSHIP OF	PLACE OF ORGANIZATION	
	D.I.		
	Delaware		
NUMBER OF	5	SOLE VOTING POWER	
SHARES BENEFICIALLY		0 shares	
OWNED BY	6	SHARED VOTING POWER	
EACH	0	SHARED VOTING POWER	
REPORTING		4,533,458 (1)	
PERSON WITH	7	SOLE DISPOSITIVE POWER	
	/		
		0 shares	
	8	SHARED DISPOSITIVE POWER	
		4,533,458 (1)	
9	AGGREGATE AN	IOUNT BENEFICIALLY OWNED BY EACH REPORTING PERSON	
	4,533,458 (1		
10	CHECK BOX IF	THE AGGREGATE AMOUNT IN ROW (9) EXCLUDES CERTAIN SHARES	
11	PERCENT OF CL	ASS REPRESENTED BY AMOUNT IN ROW (9)	
	C 10/ (1)		
12	6.1% (1)		
12	TYPE OF REPOR	IING PERSON	
	PN		
	PIN		

(1) Includes 1,993,404 shares of Common Stock underlying the Series B Preferred Stock (defined in Item 4) and excludes 89,596 shares of Common Stock underlying the Series B Preferred Stock currently not convertible due to the Conversion B Limitation (defined in Item 4).

Excludes 1,796,000 shares of Common Stock underlying the Series C Preferred Stock (defined in Item 4) currently not convertible due to the Conversion C Limitation (defined in Item 4).

Excludes 1,759,000 shares of Common Stock underlying the Series D Preferred Stock (defined in Item 4) currently not convertible due to the Conversion D Limitation (defined in Item 4).

Excludes 2,670,000 shares of Common Stock underlying the Series E Preferred Stock (defined in Item 4) currently not convertible due to the Conversion E Limitation (defined in Item 4).

Excludes the C Warrants (defined in Item 4) to acquire 1,796,000 shares of Common Stock as a result of the C Warrants Blocker (defined in Item 4).

	1		
1	NAME OF REPO	RTING PERSON	
	BVF I GP L	-	
2	CHECK THE APPROPRIATE BOX IF A MEMBER OF A GROUP (a) \boxtimes		
			(b) 🗆
3	SEC USE ONLY		
5	SEC USE ONLI		
4	CITIZENSHIP OF	R PLACE OF ORGANIZATION	
	Delaware	- 1	
NUMBER OF	5	SOLE VOTING POWER	
SHARES BENEFICIALLY		0 shares	
OWNED BY	6	SHARED VOTING POWER	
EACH	0		
REPORTING		4,533,458 (1)	
PERSON WITH	7	SOLE DISPOSITIVE POWER	
	0	0 shares	
	8	SHARED DISPOSITIVE POWER	
		4,533,458 (1)	
9	AGGREGATE AN	MOUNT BENEFICIALLY OWNED BY EACH REPORTING PERSON	
	4,533,458 (1		
10	CHECK BOX IF	THE AGGREGATE AMOUNT IN ROW (9) EXCLUDES CERTAIN SHARES	
11	PERCENT OF CI	ASS REPRESENTED BY AMOUNT IN ROW (9)	
	6.1% (1)		
12	TYPE OF REPOR	TING PERSON	
	00		

(1) Includes 1,993,404 shares of Common Stock underlying the Series B Preferred Stock (defined in Item 4) and excludes 89,596 shares of Common Stock underlying the Series B Preferred Stock currently not convertible due to the Conversion B Limitation (defined in Item 4).

Excludes 1,796,000 shares of Common Stock underlying the Series C Preferred Stock (defined in Item 4) currently not convertible due to the Conversion C Limitation (defined in Item 4).

Excludes 1,759,000 shares of Common Stock underlying the Series D Preferred Stock (defined in Item 4) currently not convertible due to the Conversion D Limitation (defined in Item 4).

Excludes 2,670,000 shares of Common Stock underlying the Series E Preferred Stock (defined in Item 4) currently not convertible due to the Conversion E Limitation (defined in Item 4).

Excludes the C Warrants (defined in Item 4) to acquire 1,796,000 shares of Common Stock as a result of the C Warrants Blocker (defined in Item 4).

	ł		
1	NAME OF REPOR	RTING PERSON	
	Biotechnolog	gy Value Fund II, L.P.	
2	CHECK THE APPROPRIATE 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 shares	
OWNED BY	6	SHARED VOTING POWER	
EACH			
REPORTING		2,041,230 (1)	
PERSON WITH	7	SOLE DISPOSITIVE POWER	
	0	0 shares	
	8	SHARED DISPOSITIVE POWER	
		2 0/1 220 (1)	
9	ACCRECATE AM	2,041,230 (1) IOUNT BENEFICIALLY OWNED BY EACH REPORTING PERSON	
9	AGGREGALE AN	IOUNT DENEFICIALLI OWNED DI EACH KEPOKIING PERSON	
	2,041,230 (1		
10) THE AGGREGATE AMOUNT IN ROW (9) EXCLUDES CERTAIN SHARES	
10			
11	PERCENT OF CL	ASS REPRESENTED BY AMOUNT IN ROW (9)	
**			
	2.8% (1)		
12	TYPE OF REPOR	TING PERSON	
	PN		
L	<u>.</u>		

(1) Excludes 1,659,000 shares of Common Stock underlying the Series B Preferred Stock (defined in Item 4) currently not convertible due to the Conversion B Limitation (defined in Item 4).

Excludes 1,445,000 shares of Common Stock underlying the Series C Preferred Stock (defined in Item 4) currently not convertible due to the Conversion C Limitation (defined in Item 4).

Excludes 1,078,000 shares of Common Stock underlying the Series D Preferred Stock (defined in Item 4) currently not convertible due to the Conversion D Limitation (defined in Item 4).

Excludes 1,867,000 shares of Common Stock underlying the Series E Preferred Stock (defined in Item 4) currently not convertible due to the Conversion E Limitation (defined in Item 4).

Excludes the C Warrants (defined in Item 4) to acquire 1,445,000 shares of Common Stock as a result of the C Warrants Blocker (defined in Item 4).

	1		
1	NAME OF REPOR	TING PERSON	
	BVF II GP LI		
2	CHECK THE APPROPRIATE 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 shares	
OWNED BY	6	SHARED VOTING POWER	
EACH			
REPORTING		2,041,230 (1)	
PERSON WITH	7	SOLE DISPOSITIVE POWER	
		0 shares	
	8	SHARED DISPOSITIVE POWER	
		2.044.020.41	
		2,041,230 (1)	
9	AGGREGATE AM	OUNT BENEFICIALLY OWNED BY EACH REPORTING PERSON	
	2.041.220.71		
10	2,041,230 (1)		
10	CHECK BOX IF T	HE AGGREGATE AMOUNT IN ROW (9) EXCLUDES CERTAIN SHARES	
11	DEDCENT OF CLA	CC DEDDECENTED DV AMOUNT IN DOW (0)	
11	PERCENT OF CLF	ASS REPRESENTED BY AMOUNT IN ROW (9)	
	2.8% (1)		
12	TYPE OF REPORT	INC DEDSON	
12	I I PE OF KEPORI	ING PERSON	
	00		
	00		

(1) Excludes 1,659,000 shares of Common Stock underlying the Series B Preferred Stock (defined in Item 4) currently not convertible due to the Conversion B Limitation (defined in Item 4).

Excludes 1,445,000 shares of Common Stock underlying the Series C Preferred Stock (defined in Item 4) currently not convertible due to the Conversion C Limitation (defined in Item 4).

Excludes 1,078,000 shares of Common Stock underlying the Series D Preferred Stock (defined in Item 4) currently not convertible due to the Conversion D Limitation (defined in Item 4).

Excludes 1,867,000 shares of Common Stock underlying the Series E Preferred Stock (defined in Item 4) currently not convertible due to the Conversion E Limitation (defined in Item 4).

Excludes the C Warrants (defined in Item 4) to acquire 1,445,000 shares of Common Stock as a result of the C Warrants Blocker (defined in Item 4).

0			
1	NAME OF REPOR	TING PERSON	
		y Value Trading Fund OS LP	
2	CHECK THE APPROPRIATE BOX IF A MEMBER OF A GROUP (a) ⊠		
			(b) 🗆
3	SEC USE ONLY		
4	CITIZENSHIP OR	PLACE OF ORGANIZATION	
	Cayman Islar		
NUMBER OF	5	SOLE VOTING POWER	
SHARES			
BENEFICIALLY		0 shares	
OWNED BY	6	SHARED VOTING POWER	
EACH			
REPORTING		555,649 (1)	
PERSON WITH	7	SOLE DISPOSITIVE POWER	
		0 shares	
	8	SHARED DISPOSITIVE POWER	
9		555,649 (1) OUNT BENEFICIALLY OWNED BY EACH REPORTING PERSON	
9	AGGKEGALE AM	OUNT BENEFICIALLY OWNED BY EACH REPORTING PERSON	
	555 640 (1)		
10	555,649 (1)	HE AGGREGATE AMOUNT IN ROW (9) EXCLUDES CERTAIN SHARES	
10	CHECK DUA IF I	THE AGGREGATE AWOUNT IN ROW (3) EACLODES CERTAIN SHARES	
11	PERCENT OF CL	ASS REPRESENTED BY AMOUNT IN ROW (9)	
11		$\frac{1}{100} \text{ ALL ALSEATED DT ANIOUNT IN NOW (5)}$	
	Less than 1%	.(1)	
12	TYPE OF REPORT		
14			
	PN		
	,		

(1) Includes 85,000 shares of Common Stock underlying the Series A Preferred Stock (defined in Item 4) currently convertible due to the Conversion A Limitation (defined in Item 4).

Excludes 284,000 shares of Common Stock underlying the Series B Preferred Stock (defined in Item 4) currently not convertible due to the Conversion B Limitation (defined in Item 4).

Excludes 265,000 shares of Common Stock underlying the Series C Preferred Stock (defined in Item 4) currently not convertible due to the Conversion C Limitation (defined in Item 4).

Excludes 163,000 shares of Common Stock underlying the Series D Preferred Stock (defined in Item 4) currently not convertible due to the Conversion D Limitation (defined in Item 4).

Excludes 161,000 shares of Common Stock underlying the Series E Preferred Stock (defined in Item 4) currently not convertible due to the Conversion E Limitation (defined in Item 4).

Excludes the C Warrants (defined in Item 4) to acquire 265,000 shares of Common Stock as a result of the C Warrants Blocker (defined in Item 4).

	1		
1	NAME OF REPORT	FING PERSON	
	BVF Partners		
2	CHECK THE APPROPRIATE BOX IF A MEMBER OF A GROUP (a)		
			(b) 🗆
3	SEC USE ONLY		
4	CITIZENSHIP OR	PLACE OF ORGANIZATION	
	Cayman Islan	ds	
NUMBER OF	5	SOLE VOTING POWER	
SHARES			
BENEFICIALLY		0 shares	
OWNED BY	6	SHARED VOTING POWER	
EACH			
REPORTING		555,649 (1)	
PERSON WITH	7	SOLE DISPOSITIVE POWER	
		0 shares	
	8	SHARED DISPOSITIVE POWER	
		555,649 (1)	
9	AGGREGATE AM	DUNT BENEFICIALLY OWNED BY EACH REPORTING PERSON	
	555,649 (1)		
10		HE AGGREGATE AMOUNT IN ROW (9) EXCLUDES CERTAIN SHARES	
11	PERCENT OF CLA	SS REPRESENTED BY AMOUNT IN ROW (9)	
	Less than 1%	(1)	
12	TYPE OF REPORT		
	СО		
<u> </u>			

(1) Includes 85,000 shares of Common Stock underlying the Series A Preferred Stock (defined in Item 4) currently convertible due to the Conversion A Limitation (defined in Item 4).

Excludes 284,000 shares of Common Stock underlying the Series B Preferred Stock (defined in Item 4) currently not convertible due to the Conversion B Limitation (defined in Item 4).

Excludes 265,000 shares of Common Stock underlying the Series C Preferred Stock (defined in Item 4) currently not convertible due to the Conversion C Limitation (defined in Item 4).

Excludes 163,000 shares of Common Stock underlying the Series D Preferred Stock (defined in Item 4) currently not convertible due to the Conversion D Limitation (defined in Item 4).

Excludes 161,000 shares of Common Stock underlying the Series E Preferred Stock (defined in Item 4) currently not convertible due to the Conversion E Limitation (defined in Item 4).

Excludes the C Warrants (defined in Item 4) to acquire 265,000 shares of Common Stock as a result of the C Warrants Blocker (defined in Item 4).

	i		
1	NAME OF REPC	PRTING PERSON	
		OLDINGS LLC	
2			(a) 🗵
			(b) 🗆
3	SEC USE ONLY		
4	CITIZENSHIP O	R PLACE OF ORGANIZATION	
	Delaware		
NUMBER OF	Delaware 5	SOLE VOTING POWER	
SHARES	5	SOLE VOTING POWER	
BENEFICIALLY		0 shares	
OWNED BY	6	SHARED VOTING POWER	
EACH	0		
REPORTING		6,574,688 (1)	
PERSON WITH	7	SOLE DISPOSITIVE POWER	
		0 shares	
	8	SHARED DISPOSITIVE POWER	
		6,574,688 (1)	
9	AGGREGATE A	MOUNT BENEFICIALLY OWNED BY EACH REPORTING PERSON	
10	6,574,688 (
10	CHECK BOX IF	THE AGGREGATE AMOUNT IN ROW (9) EXCLUDES CERTAIN SHARES	
11	DEDCENT OF C		
11	PERCENT OF CI	LASS REPRESENTED BY AMOUNT IN ROW (9)	
	9.0% (1)		
12	TYPE OF REPOR	RTING PERSON	
12			
	00		

(1) Includes 1,993,404 shares of Common Stock underlying the Series B Preferred Stock (defined in Item 4).

Excludes 1,748,596 shares of Common Stock underlying the Series B Preferred Stock (defined in Item 4) currently not convertible due to the Conversion B Limitation (defined in Item 4).

Excludes 3,241,000 shares of Common Stock underlying the Series C Preferred Stock (defined in Item 4) currently not convertible due to the Conversion C Limitation (defined in Item 4).

Excludes 2,837,000 shares of Common Stock underlying the Series D Preferred Stock (defined in Item 4) currently not convertible due to the Conversion D Limitation (defined in Item 4).

Excludes 4,537,000 shares of Common Stock underlying the Series E Preferred Stock (defined in Item 4) currently not convertible due to the Conversion E Limitation (defined in Item 4).

Excludes the C Warrants (defined in Item 4) to acquire 3,241,000 shares of Common Stock as a result of the C Warrants Blocker (defined in Item 4).

I			
1	NAME OF REPOR	TING PERSON	
	BVF Partners		
2	CHECK THE APPROPRIATE BOX IF A MEMBER OF A GROUP (a)		
			(b) 🗆
3	SEC USE ONLY		
4	CITIZENSHIP OR	PLACE OF ORGANIZATION	
	Delaware	1	
NUMBER OF	5	SOLE VOTING POWER	
SHARES			
BENEFICIALLY		0 shares	
OWNED BY	6	SHARED VOTING POWER	
EACH			
REPORTING PERSON WITH		7,406,643 (1)	
PERSON WITH	7	SOLE DISPOSITIVE POWER	
		0 shares	
	8	SHARED DISPOSITIVE POWER	
	0	SHARED DISPOSITIVE FOWER	
		7,406,643 (1)	
9	AGGREGATE AM	OUNT BENEFICIALLY OWNED BY EACH REPORTING PERSON	
Ĭ			
	7,406,643 (1)		
10		HE AGGREGATE AMOUNT IN ROW (9) EXCLUDES CERTAIN SHARES	
11	PERCENT OF CLA	ASS REPRESENTED BY AMOUNT IN ROW (9)	
	9.99% (1)		
12	TYPE OF REPORT	TING PERSON	
	PN, IA		

(1) Includes 85,000 shares of Common Stock underlying certain shares of Series A Preferred Stock (defined in Item 4).

Includes 1,993,404 shares of Common Stock underlying the Series B Preferred Stock (defined in Item 4). Excludes 2,032,596 shares of Common Stock underlying the Series B Preferred Stock (defined in Item 4) currently not convertible due to the Conversion B Limitation (defined in Item 4).

Excludes 3,506,000 shares of Common Stock underlying the Series C Preferred Stock (defined in Item 4) currently not convertible due to the Conversion C Limitation (defined in Item 4).

Excludes 3,000,000 shares of Common Stock underlying the Series D Preferred Stock (defined in Item 4) currently not convertible due to the Conversion D Limitation (defined in Item 4).

Excludes 5,000,000 shares of Common Stock underlying the Series E Preferred Stock (defined in Item 4) currently not convertible due to the Conversion E Limitation (defined in Item 4).

Excludes the C Warrants (defined in Item 4) to acquire 3,522,000 shares of Common Stock as a result of the C Warrants Blocker (defined in Item 4).

	1		
1	NAME OF REPOR	TING PERSON	
	BVF Inc.		
2	CHECK THE APPROPRIATE BOX IF A MEMBER OF A GROUP (a) 🛛		
			(b) 🗆
3	SEC USE ONLY		
4	CITIZENSHIP OR	PLACE OF ORGANIZATION	
	Delaturate		
NUMBER OF	Delaware 5	SOLE VOTING POWER	
SHARES	Э	SOLE VOTING POWER	
BENEFICIALLY		0 shares	
OWNED BY	6	SHARED VOTING POWER	
EACH	Ŭ		
REPORTING		7,406,643 (1)	
PERSON WITH	7	SOLE DISPOSITIVE POWER	
		0 shares	
	8	SHARED DISPOSITIVE POWER	
		7,406,643 (1)	
9	AGGREGATE AM	OUNT BENEFICIALLY OWNED BY EACH REPORTING PERSON	
10	7,406,643 (1)		
10	CHECK BOX IF T	HE AGGREGATE AMOUNT IN ROW (9) EXCLUDES CERTAIN SHARES	
11	DERCENT OF CL	ASS REPRESENTED BY AMOUNT IN ROW (9)	
11			
	9.99% (1)		
12	TYPE OF REPORT	FING PERSON	
	CO		
<u> </u>	J		

(1) Includes 85,000 shares of Common Stock underlying certain shares of Series A Preferred Stock (defined in Item 4).

Includes 1,993,404 shares of Common Stock underlying the Series B Preferred Stock (defined in Item 4). Excludes 2,032,596 shares of Common Stock underlying the Series B Preferred Stock (defined in Item 4) currently not convertible due to the Conversion B Limitation (defined in Item 4).

Excludes 3,506,000 shares of Common Stock underlying the Series C Preferred Stock (defined in Item 4) currently not convertible due to the Conversion C Limitation (defined in Item 4).

Excludes 3,000,000 shares of Common Stock underlying the Series D Preferred Stock (defined in Item 4) currently not convertible due to the Conversion D Limitation (defined in Item 4).

Excludes 5,000,000 shares of Common Stock underlying the Series E Preferred Stock (defined in Item 4) currently not convertible due to the Conversion E Limitation (defined in Item 4).

Excludes the C Warrants (defined in Item 4) to acquire 3,522,000 shares of Common Stock as a result of the C Warrants Blocker (defined in Item 4).

	1		
1	NAME OF REPOR	TING PERSON	
	Mark N. Lam	pert	
2	CHECK THE APPROPRIATE 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 shares	
OWNED BY	6	SHARED VOTING POWER	
EACH			
REPORTING		7,406,643 (1)	
PERSON WITH	7	SOLE DISPOSITIVE POWER	
		0 shares	
	8	SHARED DISPOSITIVE POWER	
		7,406,643 (1)	
9	AGGREGATE AM	OUNT BENEFICIALLY OWNED BY EACH REPORTING PERSON	
	7,406,643 (1)		
10		HE AGGREGATE AMOUNT IN ROW (9) EXCLUDES CERTAIN SHARES	
11	PERCENT OF CLA	ASS REPRESENTED BY AMOUNT IN ROW (9)	
	9.99% (1)		
12	TYPE OF REPORT	TING PERSON	
	IN		

(1) Includes 85,000 shares of Common Stock underlying certain shares of Series A Preferred Stock (defined in Item 4).

Includes 1,993,404 shares of Common Stock underlying the Series B Preferred Stock (defined in Item 4). Excludes 2,032,596 shares of Common Stock underlying the Series B Preferred Stock (defined in Item 4) currently not convertible due to the Conversion B Limitation (defined in Item 4).

Excludes 3,506,000 shares of Common Stock underlying the Series C Preferred Stock (defined in Item 4) currently not convertible due to the Conversion C Limitation (defined in Item 4).

Excludes 3,000,000 shares of Common Stock underlying the Series D Preferred Stock (defined in Item 4) currently not convertible due to the Conversion D Limitation (defined in Item 4).

Excludes 5,000,000 shares of Common Stock underlying the Series E Preferred Stock (defined in Item 4) currently not convertible due to the Conversion E Limitation (defined in Item 4).

Excludes the C Warrants (defined in Item 4) to acquire 3,522,000 shares of Common Stock as a result of the C Warrants Blocker (defined in Item 4).

CUSIP NO. /.	20/95105
Item 1(a).	Name of Issuer:
	Pieris Pharmaceuticals, Inc., a Nevada corporation (the "Issuer").
Item 1(b).	Address of Issuer's Principal Executive Offices:
	255 State Street, 9th Floor Boston, Massachusetts 02109
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

CUSIP No. 720795103				
	BVF Partners L.P. ("Partners") 44 Montgomery St., 40th Floor San Francisco, California 94104 Citizenship: Delaware			
	San Fran	gomery St.,	ornia 94104	
	Mark N. Lampert ("Mr. Lampert") 44 Montgomery St., 40th Floor San Francisco, California 94104 Citizenship: United States			
	Each of t	he foregoin	g is referred to as a "Reporting Person" and collectively as the "Reporting Persons."	
Item 2(d).	Title of C	lass of Secu	urities:	
	Common	Stock, par	value \$0.001 per share (the "Common Stock")	
Item 2(e).	CUSIP Number:			
	72079510)3		
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)	//	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.

(a) Amount beneficially owned:

Ownership

The Reporting Persons hold 85 shares of Series A Convertible Preferred Stock (the "Series A Preferred Stock"), convertible for an aggregate of 85,000 shares of Common Stock. Each share of the Series A Preferred Stock is convertible into 1,000 shares of Common Stock. The Series A Preferred Stock may not be converted if, after such conversion, the Reporting Persons would beneficially own, as determined in accordance with Section 13(d) of the Securities Exchange Act of 1934, as amended (the "Exchange Act"), more than 9.99% of the number of shares of Common Stock then issued and outstanding (the "Conversion A Limitation"). As of the close of business on December 31, 2021, the Conversion A Limitation limits the aggregate conversion of the Series A Preferred Stock held by the Reporting Persons to 85,000 out of the 85,000 shares of Common Stock underlying the Series A Preferred Stock owned by the Reporting Persons in the aggregate.

The Reporting Persons hold 4,026 shares of Series B Convertible Preferred Stock (the "Series B Preferred Stock"), convertible for an aggregate of 4,026,000 shares of Common Stock. Each share of the Series B Preferred Stock is convertible into 1,000 shares of Common Stock. The Series B Preferred Stock may not be converted if, after such conversion, the Reporting Persons would beneficially own, as determined in accordance with Section 13(d) of the Exchange Act, more than 9.99% of the number of shares of Common Stock then issued and outstanding (the "Conversion B Limitation"). As of the close of business on December 31, 2021, the Conversion B Limitation limits the aggregate conversion of the Series B Preferred Stock by the Reporting Persons to 1,993,404 out of the 4,026,000 shares of Common Stock underlying the Series B Preferred Stock owned by the Reporting Persons in the aggregate. In providing beneficial ownership described herein, the Reporting Persons have assumed that certain of the Series B Preferred Stock owned by each of BVF, BVF2 and Trading Fund OS would not be converted due to the Conversion B Limitation and that certain of the Series B Preferred Stock held by BVF referencing 1,993,404 shares of Common Stock would be converted.

The Reporting Persons hold 3,506 shares of Series C Convertible Preferred Stock (the "Series C Preferred Stock"), convertible for an aggregate of 3,506,000 shares of Common Stock. Each share of the Series C Preferred Stock is convertible into 1,000 shares of Common Stock. The Series C Preferred Stock may not be converted if, after such conversion, the Reporting Persons would beneficially own, as determined in accordance with Section 13(d) of the Exchange Act, more than 9.99% of the number of shares of Common Stock then issued and outstanding (the "Conversion C Limitation"). As of the close of business on December 31, 2021, the Conversion C Limitation limits the aggregate conversion of the Series C Preferred Stock by the Reporting Persons to 0 out of the 3,506,000 shares of Common Stock underlying the Series C Preferred Stock owned by the Reporting Persons in the aggregate. In providing beneficial ownership described herein, the Reporting Persons have assumed that the Series C Preferred Stock owned by each of BVF, BVF2 and Trading Fund OS would not be converted due to the Conversion C Limitation.

The Reporting Persons hold 3,000 shares of Series D Convertible Preferred Stock (the "Series D Preferred Stock"), convertible for an aggregate of 3,000,000 shares of Common Stock. Each share of the Series D Preferred Stock is convertible into 1,000 shares of Common Stock. The Series D Preferred Stock may not be converted if, after such conversion, the Reporting Persons would beneficially own, as determined in accordance with Section 13(d) of the Exchange Act, more than 9.99% of the number of shares of Common Stock then issued and outstanding (the "Conversion D Limitation"). As of the close of business on December 31, 2021, the Conversion D Limitation limits the aggregate conversion of the Series D Preferred Stock by the Reporting Persons to 0 out of the 3,000,000 shares of Common Stock underlying the Series D Preferred Stock owned by the Reporting Persons in the aggregate. In providing beneficial ownership described herein, the Reporting Persons have assumed that the Series D Preferred Stock owned by each of BVF, BVF2 and Trading Fund OS would not be converted due to the Conversion D Limitation.

The Reporting Persons hold 5,000 shares of Series E Convertible Preferred Stock (the "Series E Preferred Stock"), convertible for an aggregate of 5,000,000 shares of Common Stock. Each share of the Series E Preferred Stock is convertible into 1,000 shares of Common Stock. The Series E Preferred Stock may not be converted if, after such conversion, the Reporting Persons would beneficially own, as determined in accordance with Section 13(d) of the Exchange Act, more than 9.99% of the number of shares of Common Stock then issued and outstanding (the "Conversion E Limitation"). As of the close of business on December 31, 2021, the Conversion E Limitation limits the aggregate conversion of the Series E Preferred Stock by the Reporting Persons to 0 out of the 5,000,000 shares of Common Stock underlying the Series E Preferred Stock owned by the Reporting Persons in the aggregate. In providing beneficial ownership described herein, the Reporting Persons have assumed that the Series E Preferred Stock owned by each of BVF, BVF2 and Trading Fund OS and held in certain Partners managed accounts (the "Partners Managed Accounts") would not be converted due to the Conversion E Limitation.

The Reporting Persons hold 3,522,000 Tranche C Warrants (the "C Warrants") exercisable for an aggregate of 3,522,000 shares of Common Stock. The C Warrants have an exercise price of \$7.10 per share. The C Warrants may not be exercised if, after such exercise, the Reporting Persons would beneficially own, as determined in accordance with Section 13(d) of the Exchange Act, more than 9.99% of the number of shares of Common Stock then issued and outstanding (the "C Warrants Blocker"). As of the close of business on December 31, 2021, the C Warrants Blocker limits the aggregate exercise of C Warrants by the Reporting Persons to 0 out of the 3,522,000 shares of Common Stock underlying the C Warrants owned by the Reporting Persons in the aggregate. In providing beneficial ownership described herein, the Reporting Persons have assumed the C Warrants owned by each of BVF, BVF2 and Trading Fund OS and held in certain Partners Managed Accounts would not be exercised due to the C Warrants Blocker.

As of the close of business on December 31, 2021, (i) BVF beneficially owned 4,533,458 shares of Common Stock including 1,993,404 shares of Common Stock underlying certain shares of Series B Preferred Stock held by it and excluding (a) 89,596 shares of Common Stock issuable upon the conversion of the Series B Preferred Stock held by it, (b) 1,796,000 shares of Common Stock issuable upon the conversion of the Series C Preferred Stock held by it, (c) 1,759,000 shares of Common Stock issuable upon the conversion of the Series D Preferred Stock held by it, (d) 2,670,000 shares of Common Stock issuable upon the conversion of Series E Preferred Stock held by it; and (e) 1,796,000 shares of Common Stock issuable upon the exercise of C Warrants held by it, (ii) BVF2 beneficially owned 2,041,230 shares of Common Stock, excluding (a) 1,659,000 shares of Common Stock issuable upon the conversion of the Series B Preferred Stock held by it, (b) 1,445,000 shares of Common Stock issuable upon the conversion of the Series C Preferred Stock held by it, (c) 1,078,000 shares of Common Stock issuable upon the conversion of the Series D Preferred Stock held by it, (d) 1,867,000 shares of Common Stock issuable upon the conversion of the Series E Preferred Stock held by it and; (e) 1,445,000 shares of Common Stock issuable upon the exercise of C Warrants held by it, and (iii) Trading Fund OS beneficially owned 555,649 shares of Common Stock, including (a) 85,000 shares of Common Stock issuable upon the conversion of the Series A Preferred Stock held by it, and excluding (b) 284,000 shares of Common Stock issuable upon the conversion of the Series B Preferred Stock held by it, (c) 265,000 shares of Common Stock issuable upon the conversion of the Series C Preferred Stock held by it, (d) 163,000 shares of Common Stock issuable upon the conversion of the Series D Preferred Stock held by it, (e) 161,000 shares of Common Stock issuable upon the conversion of the Series E Preferred Stock held by it; and (f) 265,000 shares of Common Stock issuable upon the exercise of C Warrants held by it.

BVF GP, as the general partner of BVF, may be deemed to beneficially own the 4,533,458 shares of Common Stock beneficially owned by BVF.

BVF2 GP, as the general partner of BVF2, may be deemed to beneficially own the 2,041,230 shares of Common Stock beneficially owned by BVF2.

Partners OS, as the general partner of Trading Fund OS, may be deemed to beneficially own the 555,649 shares of Common Stock 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 6,574,688 shares of Common Stock 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 7,406,643 shares of Common Stock beneficially owned in the aggregate by BVF, BVF2 and Trading Fund OS, and held in the Partners Managed Accounts, including 276,306 shares of Common Stock held in the Partners Managed Accounts, and excluding (a) 302,000 shares of Common Stock issuable upon the exercise of E Warrants held in the Partners Managed Accounts, and (b) 16,000 shares of Common Stock issuable upon the exercise of C Warrants held in the Partners Managed Accounts.

BVF Inc., as the general partner of Partners, may be deemed to beneficially own the 7,406,643 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 7,406,643 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. BVF GP disclaims beneficial ownership of the shares of Common Stock beneficially owned by BVF. BVF2 GP disclaims beneficial ownership of the shares of Common Stock beneficially owned by BVF2. Partners OS disclaims beneficial ownership of the shares of Common Stock beneficially owned by Trading Fund OS. BVF GPH disclaims beneficial ownership of the shares of Common Stock beneficially owned by BVF2. Each of Partners, BVF Inc. and Mr. Lampert disclaims beneficial ownership of the shares of Common Stock beneficially owned by BVF2 and Trading Fund OS and held in the Partners Managed Accounts, 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 a denominator which is the sum of (i) 72,062,173 shares of Common Stock outstanding, as of October 29, 2021, which is the total number of shares of Common Stock outstanding as reported in the Issuer's Quarterly Report on Form 10-Q filed with the Securities and Exchange Commission on November 2, 2021, (ii) certain or all of the 85,000 shares of Common Stock underlying the Series A Preferred Stock currently convertible which are held by the Reporting Persons and (iii) certain or all of the 1,993,404 shares of Common Stock underlying the Series B Preferred Stock currently convertible which are held by the Reporting Persons.

As of the close of business on December 31, 2021, (i) BVF beneficially owned approximately 6.1% of the outstanding shares of Common Stock, (ii) BVF2 beneficially owned approximately 2.8% of the outstanding shares of Common Stock, (iii) Trading Fund OS beneficially owned less than 1% of the outstanding shares of Common Stock, (iv) BVF GP may be deemed to beneficially own approximately 6.1% of the outstanding shares of Common Stock, (v) BVF2 GP may be deemed to beneficially own approximately 2.8% of the outstanding shares of Common Stock, (vi) BVF2 GP may be deemed to beneficially own approximately 2.8% of the outstanding shares of Common Stock, (vi) BVF2 GP may be deemed to beneficially own approximately 2.8% of the outstanding shares of Common Stock, (vi) Partners OS may be deemed to beneficially own less than 1% of the outstanding shares of Common Stock, (vii) BVF GPH may be deemed to beneficially own approximately 9.0% of the outstanding shares of Common Stock, and (viii) each of Partners, BVF Inc. and Mr. Lampert may be deemed to beneficially own approximately 9.99% of the outstanding shares of Common Stock (less than 1% of the outstanding shares of Common Stock are held in the Partners Managed Accounts).

- (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.

(

CUSIP No. 720795103			
	(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.	Owners	wnership of Five Percent or Less of a Class. ot Applicable.	
	Not App		
Item 6.	Owners	wnership of More than Five Percent on Behalf of Another Person.	
	benefici Commo	P, BVF GPH, Partners, BVF Inc. and Mr. Lampert share voting and dispositive power over the shares of Common Stock ally owned by BVF. BVF GPH, Partners, BVF Inc. and Mr. Lampert share voting and dispositive power over the shares of an Stock beneficially owned by BVF2. Partners, BVF Inc. and Mr. Lampert share voting and dispositive power over the shares of an Stock beneficially owned by Trading Fund OS and held in the Partners Managed Accounts.	
Item 7.	Identific Control	cation and Classification of the Subsidiary That Acquired the Security Being Reported on by the Parent Holding Company or Person.	
	Not App	plicable.	
Item 8.	Identific	cation and Classification of Members of the Group.	
	See Exh	ibit 99.1 to Amendment No. 5 to the Schedule 13G filed with the Securities and Exchange Commission on February 14, 2020.	
Item 9.	Notice of	of Dissolution of Group.	
	Not App	plicable.	
Item 10.	Certific	ations.	

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: February 14, 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