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)¹

Pyxis Oncology, Inc. (Name of Issuer)

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

747324101

(CUSIP Number)

December 31, 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)

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*).

	-		
1	NAME OF REPOR	RTING PERSON	
		gy Value Fund, L.P.	
2			(a) 🗵
			(b) 🗆
3	SEC USE ONLY		
4	CITIZENSHIP OF	R PLACE OF ORGANIZATION	
	Dili		
NUMBER OF	Delaware 5	SOLE VOTING POWER	
SHARES	5	SOLE VOTING POWER	
BENEFICIALLY		0	
OWNED BY	6	SHARED VOTING POWER	
EACH	0		
REPORTING		1,585,000	
PERSON WITH	7	SOLE DISPOSITIVE POWER	
		0	
	8	SHARED DISPOSITIVE POWER	
		1,585,000	
9	AGGREGATE AM	IOUNT BENEFICIALLY OWNED BY EACH REPORTING PERSON	
10	1,585,000		
10	CHECK BOX IF I	THE AGGREGATE AMOUNT IN ROW (9) EXCLUDES CERTAIN SHARES	
11	DEDCENT OF CL	PERCENT OF CLASS REPRESENTED BY AMOUNT IN ROW (9)	
11	FERCENT OF CL	ASS REFRESENTED DI AMOUNT IN KOW (S)	
	4.5%		
12	TYPE OF REPOR	TING PERSON	
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	1		
1	NAME OF REPO	RTING PERSON	
	BVF I GP I		
2	CHECK THE AP	PROPRIATE BOX IF A MEMBER OF A GROUP	(a) ⊠
			(b) 🗆
3	SEC USE ONLY		
5	SEC COL CIVEL		
4	CITIZENSHIP O	R PLACE OF ORGANIZATION	
	Delaware		
NUMBER OF SHARES	5	SOLE VOTING POWER	
BENEFICIALLY		0	
OWNED BY	6	SHARED VOTING POWER	
EACH	-		
REPORTING		1,585,000	
PERSON WITH	7	SOLE DISPOSITIVE POWER	
	8	0 SHARED DISPOSITIVE POWER	
	0	SHARED DISFOSITIVE FOWER	
		1,585,000	
9	AGGREGATE A	MOUNT BENEFICIALLY OWNED BY EACH REPORTING PERSON	
- 10	1,585,000		
10	CHECK BOX IF	THE AGGREGATE AMOUNT IN ROW (9) EXCLUDES CERTAIN SHARES	
11	PERCENT OF CI	PERCENT OF CLASS REPRESENTED BY AMOUNT IN ROW (9)	
**			
	4.5%	4.5%	
12	TYPE OF REPOR	RTING PERSON	
	00		

NAME OF REPO	RTING PERSON	
Biotechnolo	gy Value Fund II, L.P.	
CHECK THE APPROPRIATE BOX IF A MEMBER OF A GROUP (a		(a) 🗵
		(b) 🗆
SEC USE ONLY		
CITIZENSHIP OF	R PLACE OF ORGANIZATION	
Delaware		
5	SOLE VOTING POWER	
6	SHARED VOTING POWER	
	1,167,663	
7	SOLE DISPOSITIVE POWER	
	0	
8	SHARED DISPOSITIVE POWER	
	1,167,663	
AGGREGATE AN	NOUNT BENEFICIALLY OWNED BY EACH REPORTING PERSON	
1,167,663		
CHECK BOX IF	THE AGGREGATE AMOUNT IN ROW (9) EXCLUDES CERTAIN SHARES	
PERCENT OF CLASS REPRESENTED BY AMOUNT IN ROW (9)		
TYPE OF REPOR	TING PERSON	
PN		
-	Biotechnolo CHECK THE APP SEC USE ONLY CITIZENSHIP OF Delaware 5 6 7 8 AGGREGATE AN 1,167,663 CHECK BOX IF T PERCENT OF CL 3.3% TYPE OF REPOR	SEC USE ONLY CITIZENSHIP OR PLACE OF ORGANIZATION Delaware 5 SOLE VOTING POWER 6 SHARED VOTING POWER 1,167,663 7 SOLE DISPOSITIVE POWER 0 8 SHARED DISPOSITIVE POWER 1,167,663 AGGREGATE AMOUNT BENEFICIALLY OWNED BY EACH REPORTING PERSON 1,167,663 CHECK BOX IF THE AGGREGATE AMOUNT IN ROW (9) EXCLUDES CERTAIN SHARES PERCENT OF CLASS REPRESENTED BY AMOUNT IN ROW (9) 3.3% TYPE OF REPORTING PERSON

1	NAME OF REPC	RTING PERSON	
	BVF II GP		
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	6	0 SHARED VOTING POWER	
EACH	6	SHARED VOTING POWER	
REPORTING		1,167,663	
PERSON WITH	7	SOLE DISPOSITIVE POWER	
		0	
	8	SHARED DISPOSITIVE POWER	
		1,167,663 MOUNT BENEFICIALLY OWNED BY EACH REPORTING PERSON	
9	AGGREGALE A	MOUNT BENEFICIALLY OWNED BY EACH REPORTING PERSON	
	1,167,663		
10		THE AGGREGATE AMOUNT IN ROW (9) EXCLUDES CERTAIN SHARES	
11	PERCENT OF CI	LASS REPRESENTED BY AMOUNT IN ROW (9)	
	2.20/		
12	3.3% TYPE OF REPOR	DTINC DEDSON	
12	I I I I I I I I I I I I I I I I I I I		
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	1		
1	NAME OF REPO	RTING PERSON	
		gy Value Trading Fund OS LP	
2			(a) 🗵
			(b) 🗆
3	SEC USE ONLY		
4	CITIZENSHIP OF	R PLACE OF ORGANIZATION	
	Community Internet	. 1.	
NUMBER OF	Cayman Isla 5	SOLE VOTING POWER	
SHARES	5	SOLE VOTING POWER	
BENEFICIALLY		0	
OWNED BY	6	SHARED VOTING POWER	
EACH	0		
REPORTING		153,149	
PERSON WITH	7	SOLE DISPOSITIVE POWER	
		0	
	8	SHARED DISPOSITIVE POWER	
		153,149	
9	AGGREGATE AN	IOUNT BENEFICIALLY OWNED BY EACH REPORTING PERSON	
	150.140		
10	153,149		
10	CHECK BOX IF	THE AGGREGATE AMOUNT IN ROW (9) EXCLUDES CERTAIN SHARES	
11	PERCENT OF CLASS REPRESENTED BY AMOUNT IN ROW (9)		
11	I EICENT OF CL	ASS RELAESENTED DT AMOUNT IN ROW (3)	
	Less than 19	6	
12	TYPE OF REPOR		
	PN		
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1	NAME OF REPO	RTING PERSON	
	BVF Partner		
2	CHECK THE APPROPRIATE BOX IF A MEMBER OF A GROUP		(a) 🗵
			(b) 🗆
3	SEC USE ONLY		
4	CITIZENSHIP OF	R PLACE OF ORGANIZATION	
	Cayman Isla 5		
NUMBER OF SHARES	5	SOLE VOTING POWER	
BENEFICIALLY		0	
OWNED BY	6	SHARED VOTING POWER	
EACH	0	SHARED VOTING FOWER	
REPORTING		153.149	
PERSON WITH	7	SOLE DISPOSITIVE POWER	
		0	
	8	SHARED DISPOSITIVE POWER	
		153,149	
9	AGGREGATE AN	MOUNT BENEFICIALLY OWNED BY EACH REPORTING PERSON	
	153,149		
10	CHECK BOX IF	THE AGGREGATE AMOUNT IN ROW (9) EXCLUDES CERTAIN SHARES	
11			
11	PERCENT OF CL	ASS REPRESENTED BY AMOUNT IN ROW (9)	
	Less than 19		
12	TYPE OF REPOR	-	
12			
	СО		
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1	NAME OF REPOR	RTING PERSON	
	BVF GP Ho		
2	CHECK THE APP	PROPRIATE BOX IF A MEMBER OF A GROUP	(a) 🗵
			(b) 🗆
3	SEC USE ONLY		
4	CITIZENCUE	PLACE OF ORGANIZATION	
4	CITIZENSHIP OR	A PLACE OF ORGANIZATION	
	Delaware		
NUMBER OF	5	SOLE VOTING POWER	
SHARES	U U		
BENEFICIALLY		0	
OWNED BY	6	SHARED VOTING POWER	
EACH			
REPORTING		2,752,663	
PERSON WITH	7	SOLE DISPOSITIVE POWER	
	8	SHARED DISPOSITIVE POWER	
		2,752,663	
9	AGGREGATE AM	IOUNT BENEFICIALLY OWNED BY EACH REPORTING PERSON	
	2,752,663		
10	CHECK BOX IF T	THE AGGREGATE AMOUNT IN ROW (9) EXCLUDES CERTAIN SHARES	
11	PERCENT OF CLASS REPRESENTED BY AMOUNT IN ROW (9)		
	7.8%		
12	7.8% TYPE OF REPOR	TINC DEPSON	
12	I I FE OF KEPOR		
	00		

r			
1	NAME OF REPOR	RTING PERSON	
	BVF Partner		
2	CHECK THE APPROPRIATE BOX IF A MEMBER OF A GROUP (a)		
			(b) 🗆
3	SEC USE ONLY		
4	CITIZENSUID OD	PLACE OF ORGANIZATION	
4	CITIZENSIIIF OK	THACE OF ORGANIZATION	
	Delaware		
NUMBER OF	5	SOLE VOTING POWER	
SHARES			
BENEFICIALLY		0	
OWNED BY	6	SHARED VOTING POWER	
EACH			
REPORTING		2,938,851	
PERSON WITH	7	SOLE DISPOSITIVE POWER	
		0	
	8	SHARED DISPOSITIVE POWER	
	0		
		2,938,851	
9	AGGREGATE AM	IOUNT BENEFICIALLY OWNED BY EACH REPORTING PERSON	
	2,938,851		
10	CHECK BOX IF T	HE AGGREGATE AMOUNT IN ROW (9) EXCLUDES CERTAIN SHARES	
11			
11	PERCENT OF CL.	PERCENT OF CLASS REPRESENTED BY AMOUNT IN ROW (9)	
	8.4%		
12	TYPE OF REPOR	TING PERSON	
	PN, IA		
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	+		
1	NAME OF REPO	RTING PERSON	
	BVF Inc.		
2			(a) 🗵
			(b) 🗆
3	SEC USE ONLY		
5	SEC USE ONLY		
4	CITIZENSHIP OF	R PLACE OF ORGANIZATION	
	Delaware		
NUMBER OF	5	SOLE VOTING POWER	
SHARES			
BENEFICIALLY			
OWNED BY EACH	6	SHARED VOTING POWER	
REPORTING		2,938,851	
PERSON WITH	7	SOLE DISPOSITIVE POWER	
	,		
		0	
	8	SHARED DISPOSITIVE POWER	
		2,938,851	
9	AGGREGATE AN	MOUNT BENEFICIALLY OWNED BY EACH REPORTING PERSON	
	2 0 2 9 0 5 1		
10	2,938,851	THE AGGREGATE AMOUNT IN ROW (9) EXCLUDES CERTAIN SHARES	
10	CHECK DOA IF	$\frac{1}{10} = \frac{1}{10} $	
11	PERCENT OF CL	PERCENT OF CLASS REPRESENTED BY AMOUNT IN ROW (9)	
	8.4%		
12	TYPE OF REPOR	TING PERSON	
	CO		

	+		
1	NAME OF REPOR	TING PERSON	
	Mark N. Lan		
2			(a) 🗵
			(b) 🗆
	CECTICE ONLY		
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		2 020 051	
REPORTING PERSON WITH	7	2,938,851 SOLE DISPOSITIVE POWER	
PERSON WITH	/	SOLE DISPOSITIVE POWER	
		0	
	8	SHARED DISPOSITIVE POWER	
	_		
		2,938,851	
9	AGGREGATE AM	OUNT BENEFICIALLY OWNED BY EACH REPORTING PERSON	
10	2,938,851		
10	CHECK BOX IF T	HE AGGREGATE AMOUNT IN ROW (9) EXCLUDES CERTAIN SHARES	
11	PERCENT OF CLASS REPRESENTED BY AMOUNT IN ROW (9)		
11	TERCENT OF CE	100 ALL ALSEATED DI ANICONTIN ROW (5)	
	8.4%		
12	TYPE OF REPORT	TING PERSON	
	IN		

Item 1(a).	Name of Issuer:
	Pyxis Oncology, Inc., a Delaware corporation (the "Issuer").
Item 1(b).	Address of Issuer's Principal Executive Offices:
	150 Cambridgepark Drive Cambridge, MA 02140
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

BVF Partners L.P. ("Partners") 44 Montgomery St., 40th Floor San Francisco, California 94104 Citizenship: Delaware

CUSIP No	. 747324101
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CUSIP No. 74	17324101		
	San Franci	omery St., 40 sco, Califor o: Delaware	
	Mark N. Lampert ("Mr. Lampert") 44 Montgomery St., 40th Floor San Francisco, California 94104 Citizenship: United States		
	Each of the	e foregoing i	s referred to as a "Reporting Person" and collectively as the "Reporting Persons."
Item 2(d).	Title of Class of Securities:		
	Common S	Stock, par va	lue \$0.001 per share (the "Shares").
Item 2(e).	CUSIP Number:		
	747324101	l	
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:

Item 4. Ownership

(a) Amount beneficially owned:

As of the close of business on December 31, 2022, (i) BVF beneficially owned 1,585,000 Shares, (ii) BVF2 beneficially owned 1,167,663 Shares and (iii) Trading Fund OS beneficially owned 153,149 Shares.

BVF GP, as the general partner of BVF, may be deemed to beneficially own the 1,585,000 Shares beneficially owned by BVF.

BVF2 GP, as the general partner of BVF2, may be deemed to beneficially own the 1,167,663 Shares beneficially owned by BVF2.

Partners OS, as the general partner of Trading Fund OS, may be deemed to beneficially own the 153,149 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 2,752,663 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 2,938,851 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 33,039 Shares held in the Partners Managed Account.

BVF Inc., as the general partner of Partners, may be deemed to beneficially own the 2,938,851 Shares beneficially owned by Partners.

Mr. Lampert, as a director and officer of BVF Inc., may be deemed to beneficially own the 2,938,851 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 Trading Fund OS. BVF GPH 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 on 35,097,256 Shares outstanding as of November 1, 2022, which is the total number of Shares outstanding as reported in the Issuer's Quarterly Report on Form 10-Q filed on November 1, 2022.

As of the close of business on December 31, 2022, (i) BVF beneficially owned approximately 4.5% of the outstanding Shares, (ii) BVF2 beneficially owned approximately 3.3% 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 4.5% of the outstanding Shares, (v) BVF2 GP may be deemed to beneficially own approximately 3.3% 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 7.8% of the outstanding Shares and (viii) each of Partners, BVF Inc. and Mr. Lampert may be deemed to beneficially own approximately 8.4% 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 to the Schedule 13G filed on December 20, 2021.
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 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 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, 2023

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