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. 6)¹

Cytokinetics, Incorporated (Name of Issuer) Common Stock, \$0.001 par value per share (Title of Class of Securities) 23282W605 (CUSIP Number) November 28, 2017

(Date of Event Which Requires Filing of this Statement)

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

 \Box Rule 13d-1(b)

 \boxtimes Rule 13d-1(c)

 \Box Rule 13d-1(d)

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*).

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.

1	NAME OF REPOR	RTING PERSON	
		gy Value Fund, L.P.	
2	CHECK THE APP	ROPRIATE BOX IF A MEMBER OF A GROUP	(a) 🗵
			(b) 🗆
3	SEC USE ONLY		
4	OTTIZENCUUD OD		
4	CITIZENSHIP OR	PLACE OF ORGANIZATION	
	Delaware		
NUMBER OF	5	SOLE VOTING POWER	
SHARES	5	Sole volivorowek	
BENEFICIALLY		0 shares	
OWNED BY	6	SHARED VOTING POWER	<u> </u>
EACH			
REPORTING		2,691,120	
PERSON WITH	7	SOLE DISPOSITIVE POWER	
		0 shares	
	8	SHARED DISPOSITIVE POWER	
		2,691,120	
9	AGGREGATE AN	IOUNT BENEFICIALLY OWNED BY EACH REPORTING PERSON	
	2,691,120		
10		THE AGGREGATE AMOUNT IN ROW (9) EXCLUDES CERTAIN SHARES	
10		The AGGREGATE AMOUNT IN NOW ()) EACEODES CERTAIN SHARES	
11	PERCENT OF CL	ASS REPRESENTED BY AMOUNT IN ROW (9)	
	5.0%		
12	TYPE OF REPOR	TING PERSON	
	PN		

NAME OF REPOR	TING PERSON	
Biotechnolog	gy Value Fund II, L.P.	
CHECK THE APPROPRIATE BOX IF A MEMBER OF A GROUP		
		(b) 🗆
SEC USE ONLY		·
CITIZENSHIP OR	PLACE OF ORGANIZATION	
Delaware		
5	SOLE VOTING POWER	
	0 shares	
6	SHARED VOTING POWER	
	1,718,193	
7	SOLE DISPOSITIVE POWER	
	0 shares	
8	SHARED DISPOSITIVE POWER	
	1,718,193	
AGGREGATE AM	OUNT BENEFICIALLY OWNED BY EACH REPORTING PERSON	
1,718,193		
CHECK BOX IF T	HE AGGREGATE AMOUNT IN ROW (9) EXCLUDES CERTAIN SHARES	
PERCENT OF CLA	ASS REPRESENTED BY AMOUNT IN ROW (9)	
3.2%		
TYPE OF REPORT	TING PERSON	
PN		
-	Biotechnolog CHECK THE APP SEC USE ONLY CITIZENSHIP OR Delaware 5 6 7 8 AGGREGATE AM 1,718,193 CHECK BOX IF T PERCENT OF CL/ 3.2% TYPE OF REPORT	CITIZENSHIP OR PLACE OF ORGANIZATION Delaware 5 SOLE VOTING POWER 0 shares 6 SHARED VOTING POWER 1,718,193 7 SOLE DISPOSITIVE POWER 0 shares 8 SHARED DISPOSITIVE POWER 1,718,193 AGGREGATE AMOUNT BENEFICIALLY OWNED BY EACH REPORTING PERSON 1,718,193 CHECK BOX IF THE AGGREGATE AMOUNT IN ROW (9) EXCLUDES CERTAIN SHARES PERCENT OF CLASS REPRESENTED BY AMOUNT IN ROW (9) 3.2% TYPE OF REPORTING PERSON

1	NAME OF REPOR	TING PERSON		
	Biotechnology Value Trading Fund OS LP			
2	CHECK THE APP	ROPRIATE BOX IF A MEMBER OF A GROUP	(a) 🗵	
			(b) 🗆	
3	SEC USE ONLY			
4		PLACE OF ORGANIZATION		
4	CITIZENSHIP OK	PLACE OF ORGANIZATION		
	Cayman Isla	nds		
NUMBER OF	5	SOLE VOTING POWER		
SHARES	-			
BENEFICIALLY		0 shares		
OWNED BY	6	SHARED VOTING POWER		
EACH				
REPORTING		459,326		
PERSON WITH	7	SOLE DISPOSITIVE POWER		
	8	0 shares SHARED DISPOSITIVE POWER		
	8	SHARED DISPOSITIVE POWER		
		459,326		
9	AGGREGATE AM	OUNT BENEFICIALLY OWNED BY EACH REPORTING PERSON		
	459,326			
10	CHECK BOX IF T	HE AGGREGATE AMOUNT IN ROW (9) EXCLUDES CERTAIN SHARES		
11	PERCENT OF CLA	ASS REPRESENTED BY AMOUNT IN ROW (9)		
	Less than 1%			
12	TYPE OF REPORT			
12	I I FE OF KEPOKI	INOTERSON		
	PN			
<u></u>	<u> </u>			

1	NAME OF REPOR	TING PERSON	
	BVF Partner		(a) 🗵
2			
			(b) 🗆
3	SEC USE ONLY		
3	SEC USE ONLY		
4	CITIZENSHIP OR	PLACE OF ORGANIZATION	
Т	CITIZENSIIII OK		
	Cayman Isla	nds	
NUMBER OF	5	SOLE VOTING POWER	
SHARES			
BENEFICIALLY		0 shares	
OWNED BY	6	SHARED VOTING POWER	
EACH			
REPORTING		459,326	
PERSON WITH	7	SOLE DISPOSITIVE POWER	
		0 shares	
	8	SHARED DISPOSITIVE POWER	
	0	SHARED DISTOSTITVE TO WER	
		459,326	
9	AGGREGATE AM	OUNT BENEFICIALLY OWNED BY EACH REPORTING PERSON	
	459,326		
10	CHECK BOX IF T	HE AGGREGATE AMOUNT IN ROW (9) EXCLUDES CERTAIN SHARES	
11	DEDCENT OF CL		
11	PERCENT OF CLA	ASS REPRESENTED BY AMOUNT IN ROW (9)	
	Less than 1%		
12	TYPE OF REPORT		
12			
	СО		
<u> </u>			

1	NAME OF REPORTING PERSON		
	BVF Partner		(a) 🗵
2			
			(b) 🗆
3	SEC USE ONLY		
4	OTTIZENCIUD OD	PLACE OF ORGANIZATION	
4	CITIZENSHIP OR	PLACE OF ORGANIZATION	
	Delaware		
NUMBER OF	5	SOLE VOTING POWER	
SHARES	5		
BENEFICIALLY		0 shares	
OWNED BY	6	SHARED VOTING POWER	
EACH			
REPORTING		5,427,313	
PERSON WITH	7	SOLE DISPOSITIVE POWER	
		0 shares	
	8	SHARED DISPOSITIVE POWER	
		5 407 010	
9	ACCDECATE AM	5,427,313 OUNT BENEFICIALLY OWNED BY EACH REPORTING PERSON	
9	AUGKEGALE AM	IOUNT BENEFICIALLT OWNED BT EACH REPORTING PERSON	
	5,427,313		
10		HE AGGREGATE AMOUNT IN ROW (9) EXCLUDES CERTAIN SHARES	
10			_
11	PERCENT OF CLA	ASS REPRESENTED BY AMOUNT IN ROW (9)	
	10.1%		
12	TYPE OF REPORT	FING PERSON	
	DILL		
	PN, IA		

1	NAME OF REPOR	NAME OF REPORTING PERSON		
	DVE In a			
2	BVF Inc.	ROPRIATE BOX IF A MEMBER OF A GROUP	(a) 🗵	
2	CHECK THE APP.	KOPKIALE DOA IF A MEMDER OF A GROUP	(a) ⊠ (b) □	
			(0) 🗄	
3	SEC USE ONLY			
4	CITIZENSHIP OR	PLACE OF ORGANIZATION		
	Delaware			
NUMBER OF	5	SOLE VOTING POWER		
SHARES	5	Sole volliverowek		
BENEFICIALLY		0 shares		
OWNED BY	6	SHARED VOTING POWER		
EACH				
REPORTING		5,427,313		
PERSON WITH	7	SOLE DISPOSITIVE POWER		
		0 shares		
	8	SHARED DISPOSITIVE POWER		
	0	SHARED DISFOSITIVE FOWER		
		5,427,313		
9	AGGREGATE AM	OUNT BENEFICIALLY OWNED BY EACH REPORTING PERSON		
10	5,427,313			
10	CHECK BOX IF T	HE AGGREGATE AMOUNT IN ROW (9) EXCLUDES CERTAIN SHARES		
11	PERCENT OF CL	ASS REPRESENTED BY AMOUNT IN ROW (9)		
	10.1%			
12	TYPE OF REPORT	TING PERSON		
	CO			
	СО			

1	NAME OF REPORTING PERSON		
	Mark N. La		(a) 🗵
2	CHECK THE APPROPRIATE BOX IF A MEMBER OF A GROUP		
			(b) 🗆
3	SEC USE ONLY		
3	SEC USE ONLY		
4	CITIZENSHIP OR	PLACE OF ORGANIZATION	
	United State	28	
NUMBER OF	5	SOLE VOTING POWER	
SHARES			
BENEFICIALLY		0 shares	
OWNED BY	6	SHARED VOTING POWER	
EACH		5 (07.010	
REPORTING PERSON WITH	7	5,427,313 SOLE DISPOSITIVE POWER	
PERSON WITH	/	SOLE DISPOSITIVE POWER	
		0 shares	
	8	SHARED DISPOSITIVE POWER	
	0		
		5,427,313	
9	AGGREGATE AM	IOUNT BENEFICIALLY OWNED BY EACH REPORTING PERSON	
	5,427,313		
10	CHECK BOX IF T	THE AGGREGATE AMOUNT IN ROW (9) EXCLUDES CERTAIN SHARES	
11	DEDCENT OF CL	ASS REPRESENTED BY AMOUNT IN ROW (9)	
11	FERCENT OF CL.	ASS REFRESENTED DI AMIOUNT IN KOW (7)	
	10.1%		
12	TYPE OF REPOR	TING PERSON	
	IN		

CUSIP NO. 23282W605

CUSIP NO.	23282W605
Item 1(a).	Name of Issuer:
	Cytokinetics, Incorporated, a Delaware corporation (the "Issuer").
Item 1(b).	Address of Issuer's Principal Executive Offices:
	280 East Grand Avenue South San Francisco, California 94080
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") 1 Sansome Street, 30 th Floor San Francisco, California 94104 Citizenship: Delaware
	Biotechnology Value Fund II, L.P. ("BVF2") 1 Sansome Street, 30 th 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 Partners L.P. ("Partners") 1 Sansome Street, 30th Floor San Francisco, California 94104 Citizenship: Delaware
	BVF Inc. 1 Sansome Street, 30 th Floor San Francisco, California 94104 Citizenship: Delaware
	Mark N. I. ampert ("Mr. I. ampert")

Mark N. Lampert ("Mr. Lampert") 1 Sansome Street, 30th 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."

CUSIP NO. 23282W605

Item 2(d).	Title of Class of Securities:					
	Common Stock, par value \$0.001 per share (the "Common Stock")					
Item 2(e).	CUSIP Number:					
	23282	2W 60 5				
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). 		Insurance company as defined in Section 3(a)(19) of the Exchange Act.			
			Investment company registered under Section 8 of the Investment Company Act.			
			An investment adviser in accordance with Rule 13d-1(b)(1)(ii)(E).			
	(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 and Company an		A savings association as defined in Section 3(b) of the Federal Deposit Insurance Act.			
			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), p the type of institution:			
Item 4.	Ownership					
(a)	Amou	unt benef	icially owned:			
	As of the close of business on November 30, 2017, (i) BVF beneficially owned 2,691,120 shares of Common Stock, (ii) BVF2 beneficially 1,718,193 shares of Common Stock, (iii) Trading Fund OS beneficially owned 459,326 shares of Common Stock and (iv) 558,674 shares of C Stock were held in certain Partners managed accounts (the "Partners Managed Accounts").					

Partners OS, as the general partner of Trading Fund OS may be deemed to beneficially own the 459,326 shares of Common Stock beneficially owned by Trading Fund OS.

Partners, as the general partner of BVF, BVF2, the investment manager of Trading Fund OS, and the sole member of Partners OS, may be deemed to beneficially own the 5,427,313 shares of Common Stock beneficially owned in the aggregate by BVF, BVF2, Trading Fund OS, and the Partners Managed Accounts, including 558,674 shares of Common Stock held in the Partners Managed Accounts.

BVF Inc., as the general partner of Partners, may be deemed to beneficially own the 5,427,313 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 5,427,313 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. Partners OS disclaims beneficial ownership of the shares of Common Stock beneficially owned by Trading Fund OS. Each of Partners, BVF Inc. and Mr. Lampert disclaims beneficial ownership of the shares of Common Stock beneficially owned by BVF, BVF2, Trading Fund OS, and 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 53,884,669 shares of Common Stock outstanding as of October 27, 2017, which is the total number of shares of Common Stock outstanding as reported in the Issuer's Quarterly Report filed on Form 10-Q with the Securities and Exchange Commission on November 3, 2017.

As of the close of business on November 30, 2017 (i) BVF beneficially owned approximately 5.0% of the outstanding shares of Common Stock, (ii) BVF2 beneficially owned approximately 3.2% of the outstanding shares of Common Stock, (iii) Trading Fund OS beneficially owned less than 1% of the outstanding shares of Common Stock (iv) Partners OS may be deemed to beneficially own less than 1% of the outstanding shares of Common Stock, and (v) each of Partners, BVF Inc. and Mr. Lampert may be deemed to beneficially own approximately 10.1% of the outstanding shares of Common Stock (approximately 1.0% of which is 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.

(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.

CUSIP NO. 23282W605

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.
	Partners, BVF Inc. and Mr. Lampert share voting and dispositive power over the shares of Common Stock beneficially owned by BVF, BVF2, Trading Fund OS, and the Partners Managed Accounts.
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 Amendment No. 2 to Schedule 13G filed with the Securities and Exchange Commission on February 16, 2016.
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.

12

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 30, 2017

BIOTECHNOLOGY VALUE FUND, L.P.

By: BVF Partners L.P., its general partner 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

BIOTECHNOLOGY VALUE FUND II, L.P.

- By: BVF Partners L.P., its general partner
- By: BVF Inc., its general partner
- By: /s/ Mark N. Lampert Mark N. Lampert President

BVF PARTNERS L.P.

- By: BVF Inc., its general partner
- By: /s/ Mark N. Lampert Mark N. Lampert President

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

