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

(* 1114114111111111111111111111111111111
Cytokinetics, Incorporated
(Name of Issuer)
Common Stock \$0.001 nonvolve
Common Stock, \$0.001 par value (Title of Class of Securities)
(Title of Class of Securities)
23282W 10 0
(CUSIP Number)
December 31, 2012
(Date of Event Which Requires Filing of this Statement)
Check the appropriate box to designate the rule pursuant to which this Schedule is filed:
check the appropriate box to designate the falls parsuant to which this senedate is fred.
□ Rule 13d-1(b)
□ Rule 13d-1(d)
The remainder of this cover page shall be filled out for a reporting person's initial filing on this form with respect to the subject class of securities, and for
any subsequent amendment containing information which would alter the disclosures provided in a prior cover page.
any subsequent amendment containing information which would after the disclosures provided in a prior cover page.
The information required in 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 REPORTING PERSON					
	Diotochnology Volvo Fund I. D.					
2	Biotechnology Value Fund, L.P. CHECK THE APPROPRIATE BOX IF A MEMBER OF A GROUP (a) (a) ✓					
			(b) □			
3	SEC USE ONLY					
4	CITIZENSHIP OR PLA	CE OF ORGANIZATION				
-						
	Delaware					
NUMBER OF SHARES	5	SOLE VOTING POWER				
BENEFICIALLY						
OWNED BY EACH		0 shares				
REPORTING PERSON	6	SHARED VOTING POWER				
WITH						
		8,151,158 (1)				
	7 SOLE DISPOSITIVE POWER					
	0 shares					
	8	SHARED DISPOSITIVE POWER				
		8,151,158 (1)				
9	AGGREGATE AMOU	NT BENEFICIALLY OWNED BY EACH REPORTING PERSON				
	8,151,158 (1)					
10	CHECK BOX IF THE AGGREGATE AMOUNT IN ROW (9) EXCLUDES CERTAIN SHARES □					
11	PERCENT OF CLASS REPRESENTED BY AMOUNT IN ROW (9)					
	<i>5.60</i> /					
12	5.6%					
12	TYPE OF REPORTING	J PEKSUN				
	PN					

⁽¹⁾ Includes 2,880,468 shares of Common Stock currently issuable upon the exercise a certain warrant. See Item 4(a) for a full description of the Reporting Person's beneficial ownership.

1	NAME OF REPORTING PERSON			
	Biotechnology Value Fund II, L.P.			
2	CHECK THE APPROPRIATE BOX IF A MEMBER OF A GROUP (a) (a) (a) (b) (a) (c) (d) (d) (e) (e) (f) (f) (f) (g) (g)			
	(b) [
3	SEC USE ONLY		(*) —	
J	SEC USE UNL 1			
4	CITIZENSHID OD DI A	CE OF ORGANIZATION		
7	CITIZENSIIII OKTEA	CE OF ORGANIZATION		
	Delaware			
NUMBER OF SHARES	5	SOLE VOTING POWER		
	5	SULE VUTING PUWEK		
BENEFICIALLY				
OWNED BY EACH		0 shares		
REPORTING PERSON	6	SHARED VOTING POWER		
WITH				
		4,616,516 (1)		
	7 SOLE DISPOSITIVE POWER			
	0 shares			
	8	SHARED DISPOSITIVE POWER		
		4,616,516 (1)		
9	AGGREGATE AMOUNT BENEFICIALLY OWNED BY EACH REPORTING PERSON			
	4,616,516(1)			
10	CHECK BOX IF THE AGGREGATE AMOUNT IN ROW (9) EXCLUDES CERTAIN SHARES			
10	CHECK DOA II: THE AGGREGATE AMOUNT IN KOW (9) EACLODES CERTAIN SHARES			
11	DED CENT OF CLASS DEDDESENTED DV AMOUNT IN DOW (0)			
11	PERCENT OF CLASS REPRESENTED BY AMOUNT IN ROW (9)			
	2 20/			
10	3.2%			
12	TYPE OF REPORTING	J PERSON		
	PN			

⁽¹⁾ Includes 1,584,246 shares of Common Stock currently issuable upon the exercise of a certain warrant. See Item 4(a) for a full description of the Reporting Person's beneficial ownership.

1	NAME OF REPORTING PERSON				
	Investment 10, L.L.C.				
2	CHECK THE APPROPRIATE BOX IF A MEMBER OF A GROUP (a) ☑				
	(b) □				
3	SEC USE ONLY				
		SEC OSE ONE I			
4	CITIZENSHIP OR PLA	ACE OF ORGANIZATION			
·	CITIZENSIM ORTER	REP OF OROTHALITION			
	Illinois				
NUMBER OF SHARES	5	SOLE VOTING POWER			
BENEFICIALLY	J	SOLL VOINGIOWER			
OWNED BY EACH		0 shares			
REPORTING PERSON	6	SHARED VOTING POWER			
WITH	6	SHARED VOTING POWER			
WIIH		2.072.072.(1)			
		3,072,072 (1)			
	7 SOLE DISPOSITIVE POWER				
	0 shares				
	8	SHARED DISPOSITIVE POWER			
		3,072,072 (1)			
9	AGGREGATE AMOUNT BENEFICIALLY OWNED BY EACH REPORTING PERSON				
	3,072,072 (1)				
10	CHECK BOX IF THE AGGREGATE AMOUNT IN ROW (9) EXCLUDES CERTAIN SHARES				
	_				
11	PERCENT OF CLASS REPRESENTED BY AMOUNT IN ROW (9)				
	2.1%				
12	TYPE OF REPORTING PERSON				
12	TILE OF REFORM				
	OO				

⁽¹⁾ Includes 1,061,597 shares of Common Stock currently issuable upon the exercise of a certain warrant. See Item 4(a) for a full description of the Reporting Person's beneficial ownership.

NAME OF REPORTING PERSON				
BVF Partners L.P.				
CHECK THE APPROPRIATE BOX IF A MEMBER OF A GROUP (a) ⊠ (b) □				
SEC USE ONLY				
CITIZENSHIP OR PLACE OF ORGANIZATION				
Delaware				
5	SOLE VOTING POWER			
	0 shares			
H 0 shares ON 6 SHARED VOTING POWER				
	15,839,746 (1)			
7 SOLE DISPOSITIVE POWER				
0 shares				
8 SHARED DISPOSITIVE POWER				
	15,839,746 (1)			
AGGREGATE AMOUNT BENEFICIALLY OWNED BY EACH REPORTING PERSON				
15,839,746 (1)				
CHECK BOX IF THE AGGREGATE AMOUNT IN ROW (9) EXCLUDES CERTAIN SHARES				
PERCENT OF CLASS REPRESENTED BY AMOUNT IN ROW (9)				
0.0897 (3)				
TYPE OF REPORTING PERSON				
PN IA				
	HECK THE APPROPE EC USE ONLY ITIZENSHIP OR PLACE Delaware 5 6 7 8 GGREGATE AMOUN 15,839,746 (1) HECK BOX IF THE A ERCENT OF CLASS F 9.98% (2)	HECK THE APPROPRIATE BOX IF A MEMBER OF A GROUP CUSE ONLY ITIZENSHIP OR PLACE OF ORGANIZATION Delaware 5		

⁽¹⁾ Includes 5,526,311 shares of Common Stock currently issuable upon the exercise of certain warrants. See Item 4(a) for a full description of the Reporting Person's beneficial ownership.

(2) See Item 4.

1	NAME OF REPORTING PERSON				
	BVF Inc.				
2	CHECK THE APPROPRIATE BOX IF A MEMBER OF A GROUP (a) ⊠				
	(b) □				
3	SEC USE ONLY				
	520 052 01121				
4	CITIZENSHIP OR PLA	CE OF ORGANIZATION			
"	CITIZENSIIII OKTER	CE OF OROMNEATION			
	Delaware				
NUMBER OF SHARES	5	SOLE VOTING POWER			
BENEFICIALLY	3	SOLE VOTING POWEK			
1 -		0.1			
OWNED BY EACH		0 shares			
REPORTING PERSON	6	SHARED VOTING POWER			
WITH					
		15,839,746 (1)			
	7 SOLE DISPOSITIVE POWER				
	0 shares				
	8 SHARED DISPOSITIVE POWER				
		15,839,746 (1)			
9	AGGREGATE AMOUNT BENEFICIALLY OWNED BY EACH REPORTING PERSON				
	15,839,746 (1)				
10	CHECK BOX IF THE AGGREGATE AMOUNT IN ROW (9) EXCLUDES CERTAIN SHARES				
10	CHECK BOA II. THE AGGREGATE AWOUNT IN KOW (3) EACLODES CERTAIN SHARES				
11	PERCENT OF CLASS REPRESENTED BY AMOUNT IN ROW (9)				
11	PERCENT OF CLASS REPRESENTED BY AMOUNT IN ROW (9)				
	0.089/ (2)				
12	9.98% (2) TYPE OF REPORTING PERSON				
12	TYPE OF KEPOKTING	JEKSUN			
	00				
	СО				

⁽¹⁾ Includes 5,526,311 shares of Common Stock currently issuable upon the exercise of certain warrants. See Item 4(a) for a full description of the Reporting Person's beneficial ownership.

(2) See Item 4.

1	NAME OF REPORTING PERSON				
	Mark N. Lampert				
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 SHARES	5	SOLE VOTING POWER			
BENEFICIALLY OWNED BY EACH		0 shares			
REPORTING PERSON WITH					
		15,839,746 (1)			
	7 SOLE DISPOSITIVE POWER				
	0 shares				
	8 SHARED DISPOSITIVE POWER				
		15,839,746 (1)			
9	AGGREGATE AMOUNT BENEFICIALLY OWNED BY EACH REPORTING PERSON				
	15,839,746 (1)				
10	CHECK BOX IF THE AGGREGATE AMOUNT IN ROW (9) EXCLUDES CERTAIN SHARES				
11	PERCENT OF CLASS REPRESENTED BY AMOUNT IN ROW (9)				
	9.98% (2)				
12	TYPE OF REPORTING PERSON				
	IN				

⁽¹⁾ Includes 5,526,311 shares of Common Stock currently issuable upon the exercise of certain warrants. See Item 4(a) for a full description of the Reporting Person's beneficial ownership.

(2) See Item 4.

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). Name of Person Filing

Item 2(b). Address of Principal Business Office or, if None, Residence

Item 2(c). Citizenship

Biotechnology Value Fund, L.P. ("BVF") 900 North Michigan Avenue, Suite 1100

Chicago, Illinois 60611 Citizenship: Delaware

Biotechnology Value Fund II, L.P. ("BVF2") 900 North Michigan Avenue, Suite 1100

Chicago, Illinois 60611 Citizenship: Delaware

Investment 10, L.L.C. ("ILL10")

900 North Michigan Avenue, Suite 1100

Chicago, Illinois 60611 Citizenship: Illinois

BVF Partners L.P. ("Partners")

900 North Michigan Avenue, Suite 1100

Chicago, Illinois 60611 Citizenship: Delaware

BVF Inc.

900 North Michigan Avenue, Suite 1100

Chicago, Illinois 60611 Citizenship: Delaware

Mark N. Lampert ("Mr. Lampert")

900 North Michigan Avenue, Suite 1100

Chicago, Illinois 60611 Citizenship: United States

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

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

Common Stock, \$0.001 par value (the "Common Stock")

Item 2(e). CUSIP Number:

23282W 100

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:

Group, in accordance with Section 240.13d-1(b)(1)(ii)(J).

/X/ Not Applicable / / Broker or dealer registered under Section 15 of the Act (15 U.S.C. 78o). (a) (b) // Bank as defined in Section 3(a)(6) of the Act (15 U.S.C. 78c). // (c) Insurance company as defined in Section 3(a)(19) of the Act (15 U.S.C. 78c). (d) // Investment company registered under Section 8 of the Investment Company Act of 1940 (15 U.S.C. 80a-8). // (e) Investment adviser in accordance with Section 240.13d-1(b)(1)(ii)(E). // Employee benefit plan or endowment fund in accordance with Section 240.13d-1(b)(1)(ii)(F). (f) Parent holding company or control person in accordance with Section 240.13d-1(b)(1)(ii)(G). (g) (h) // Savings association as defined in Section 3(b) of the Federal Deposit Insurance Act (12 U.S.C. 1813). // Church plan that is excluded from the definition of an investment company under Section 3(c)(14) of the Investment (i) Company Act (15 U.S.C. 80a-3). (j) // Non-U.S. institution in accordance with Section 240.13d-1(b)(1)(ii)(J).

Item 4. Ownership

(k)

(a) Amount beneficially owned:

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On June 25, 2012, the Reporting Persons acquired warrants exercisable for an aggregate of 5,526,311 shares of Common Stock. Such warrants are immediately exercisable for \$0.88 per share, subject to adjustment pursuant to the terms of the warrants, and expire on June 25, 2017. The 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 Securities Exchange Act of 1934, more than 9.98% of the number of shares of Common Stock then issued and outstanding.

As of the close of business on December 31, 2012, (i) BVF beneficially owned 8,151,158 shares of Common Stock, including 2,880,468 shares of Common Stock issuable upon the exercise of a certain warrant held by it, (ii) BVF2 beneficially owned 4,616,516 shares of Common Stock, including 1,584,246 shares of Common Stock issuable upon the exercise of a certain warrant held by it, and (iii) ILL10 beneficially owned 3,072,072 shares of Common Stock, including 1,061,597 shares of Common Stock issuable upon the exercise of a certain warrant held by it.

Partners, as the general partner of BVF and BVF2 and the investment adviser of ILL10, may be deemed to beneficially own 15,839,746 shares of Common Stock, including 5,526,311 shares of Common Stock currently issuable upon the exercise of certain warrants, beneficially owned in the aggregate by BVF, BVF2 and ILL10.

BVF Inc., as the general partner of Partners, may be deemed to beneficially own the 15,839,746 shares of Common Stock, including 5,526,311 shares of Common Stock currently issuable upon the exercise of certain warrants, beneficially owned by Partners.

Mr. Lampert, as a director and officer of BVF Inc., may be deemed to beneficially own the 15,839,746 shares of Common Stock, including 5,526,311 shares of Common Stock currently issuable upon the exercise of certain warrants, 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. Each of Partners, BVF Inc. and Mr. Lampert disclaims beneficial ownership of the shares of Common Stock beneficially owned by BVF, BVF2 and ILL10 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 142,413,069 shares of Common Stock outstanding as of October 25, 2012, as disclosed in the Issuer's Quarterly Report on Form 10-Q filed with the Securities and Exchange Commission ("SEC") on November 7, 2012.

As of the close of business on December 31, 2012, (i) BVF beneficially owned approximately 5.6% of the outstanding shares of Common Stock, (ii) BVF2 beneficially owned approximately 3.2% of the outstanding shares of Common Stock, (iv) ILL10 beneficially owned approximately 2.1% of the outstanding shares of Common Stock and (v) each of Partners, BVF Inc. and Mr. Lampert may be deemed to beneficially own approximately 9.98% of the outstanding shares of Common Stock.

- (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.

Partners, BVF Inc. and Mr. Lampert share voting and dispositive power over the shares of Common Stock beneficially owned by BVF, BVF2 and ILL10.

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 initial Schedule 13G filed with the SEC on July 3, 2012.

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: February 14, 2013

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

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 INVESTMENT 10, L.L.C.

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

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 INC.

By: /s/ Mark N. Lampert

Mark N. Lampert President

/s/ Mark N. Lampert

MARK N. LAMPERT