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

SCHEDULE 13G

Under the Securities Exchange Act of 1934 (Amendment No.)*

Cytokinetics, Incorporated
(Name of Issuer)
Common Stock, \$0.001 par value per share
(Title of Class of Securities)
23282W100
(CUSIP Number)
May 21, 2009
(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)

* 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.

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).

Page 1 of 9

CUSIP No. 23282W100	
Names of Reporting Persons. I.R.S. Identification Nos. of above persons (entities only).	
QVT Financial LP 11-3694008	
 2. Check the Appropriate Box if a Member of a Group (See Instructions) (a) □ (b) ⊠ 	
3. SEC Use Only	
4. Citizenship or Place of Organization	
Delaware	
5. Sole Voting Power	
0	
Number of Shares 6. Shared Voting Power	
Beneficially 5,126,627 Owned by	
Each 7. Sole Dispositive Power	
Reporting Person With: 0	
8. Shared Dispositive Power	
5,126,627	
9. Aggregate Amount Beneficially Owned by Each Reporting Person	
5,126,627	
10. Check if the Aggregate Amount in Row (9) Excludes Certain Shares (See Instructions)	
11. Percent of Class Represented by Amount in Row (9)	
8.44%	
12. Type of Reporting Person (See Instructions)	
PN	

CUSIP No. 23282W100	
Names of Reporting Persons. I.R.S. Identification Nos. of above persons (entities only).	
QVT Financial GP LLC 11-3694007	
 2. Check the Appropriate Box if a Member of a Group (See Instructions) (a) □ (b) ⊠ 	
3. SEC Use Only	
4. Citizenship or Place of Organization	
Delaware	
5. Sole Voting Power	
0	
Number of Shares 6. Shared Voting Power	
Beneficially Owned by 5,126,627	
Each 7. Sole Dispositive Power	
Reporting Person With: 0	
8. Shared Dispositive Power	
5,126,627	
9. Aggregate Amount Beneficially Owned by Each Reporting Person	
5,126,627	
10. Check if the Aggregate Amount in Row (9) Excludes Certain Shares (See Instructions)	
11. Percent of Class Represented by Amount in Row (9)	
8.44%	
12. Type of Reporting Person (See Instructions)	
00	

CUSIP No. 23282W100	
Names of Reporting Persons. I.R.S. Identification Nos. of above persons (entities only).	
QVT Fund LP 98-0415217	
 2. Check the Appropriate Box if a Member of a Group (See Instructions) (a) □ (b) 区 	
3. SEC Use Only	
4. Citizenship or Place of Organization	
Cayman Islands	
5. Sole Voting Power	
0	
Number of Shared Voting Power 6. Shared Voting Power	
Beneficially Owned by Fach 7. Sole Dispositive Power	
Edeli	
Reporting Person With: 0	
8. Shared Dispositive Power	
4,625,417	
9. Aggregate Amount Beneficially Owned by Each Reporting Person	
4,625,417	
10. Check if the Aggregate Amount in Row (9) Excludes Certain Shares (See Instructions)	
11. Percent of Class Represented by Amount in Row (9)	
7.61%	
12. Type of Reporting Person (See Instructions)	
PN	

CUSIP No. 23282W100	
 Names of Reporting Persons. I.R.S. Identification Nos. of above persons (entities only). 	
QVT Associates GP LLC 01-0798253	
 2. Check the Appropriate Box if a Member of a Group (See Instructions) (a) □ (b) 区 	
3. SEC Use Only	
4. Citizenship or Place of Organization	
Delaware	
5. Sole Voting Power	
0	
Number of Shared Voting Power 6. Shared Voting Power	
Beneficially Owned by 5,126,627	
Each 7. Sole Dispositive Power	
Reporting Person With: 0	
8. Shared Dispositive Power	
5,126,627	
9. Aggregate Amount Beneficially Owned by Each Reporting Person	_
5,126,627	
10. Check if the Aggregate Amount in Row (9) Excludes Certain Shares (See Instructions)	
11. Percent of Class Represented by Amount in Row (9)	
8.44%	
12. Type of Reporting Person (See Instructions)	
OO	

Item 1	(a).	Name of Issuer
		Cytokinetics, Incorporated (the "Issuer")
Item 1	(b).	Address of Issuer's Principal Executive Offices
		The address of the Issuer's principal executive offices is:
		280 East Grand Avenue, South San Francisco, California 94080, United States
Item 2	(a).	Name of Person Filing
Item 2	(b).	Address of Principal Business Office or, if none, Residence
Item 2	(c).	Citizenship
		QVT Financial LP 1177 Avenue of the Americas, 9th Floor New York, New York 10036 Delaware Limited Partnership
		QVT Financial GP LLC 1177 Avenue of the Americas, 9th Floor New York, New York 10036 Delaware Limited Liability Company
		QVT Fund LP Walkers SPV, Walkers House Mary Street George Town, Grand Cayman, KY1 9001 Cayman Islands Cayman Islands Limited Partnership
		QVT Associates GP LLC 1177 Avenue of the Americas, 9th Floor New York, New York 10036 Delaware Limited Liability Company
Item 2	(d).	Title of Class of Securities
		Common stock, \$0.001 par value per share (the "Common Stock").
Item 2	(e).	CUSIP Number
		The CUSIP number of the Common Stock is 23282W100.
Item 3.	m 3. If this statement is filed pursuant to §§ 240.13d-1(b) or 240.13d-2(b) or (c), check whether the person filing is a:	
	(a)	☐ Broker or dealer registered under section 15 of the Act (15 U.S.C. 78o).
	(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)	☐ An investment adviser in accordance with § 240.13d-1(b)(1)(ii)(E);
	(f)	\square An employee benefit plan or endowment fund in accordance with § 240.13d-1(b)(1)(ii)(F);
	(g)	☐ A parent holding company or control person in accordance with § 240.13d-1(b)(1)(ii)(G);
	(h)	☐ A savings associations as defined in Section 3(b) of the Federal Deposit Insurance Act (12 U.S.C. 1813);
	(i)	☐ A church plan that is excluded from the definition of an investment company under section 3(c)(14) of the Investment Company Act of 1940 (15 U.S.C. 80a-3);
	(j)	☐ A non-U.S. institution in accordance with §240.13d-1(b)(1)(ii)(J);
	(k)	Group, in accordance with $\$240.13d-1(b)(1)(ii)(K)$. If filing as a non-U.S. institution in accordance with $\$240.13d-1(b)(1)(ii)(J)$, please specify the type of institution:

Item 4. Ownership.

(a) Amount beneficially owned:

QVT Financial LP ("QVT Financial") is the investment manager for QVT Fund LP (the "Fund"), which beneficially owns 4,625,417 shares of Common Stock, and for Quintessence Fund L.P. ("Quintessence"), which beneficially owns 501,210 shares of Common Stock. QVT Financial has the power to direct the vote and disposition of the Common Stock held by the Fund and Quintessence. Accordingly, QVT Financial may be deemed to be the beneficial owner of an aggregate amount of 5,126,627 shares of Common Stock, consisting of the shares owned by the Fund and Quintessence.

QVT Financial GP LLC, as General Partner of QVT Financial, may be deemed to beneficially own the same number of shares of Common Stock reported by QVT Financial. QVT Associates GP LLC, as General Partner of the Fund and Quintessence, may be deemed to beneficially own the aggregate number of shares of Common Stock owned by the Fund and Quintessence, and accordingly, QVT Associates GP LLC may be deemed to be the beneficial owner of an aggregate amount of 5,126,627 shares of Common Stock.

QVT Financial, QVT Financial GP LLC, QVT Associates GP LLC and the Fund each acquired beneficial ownership of more than 5% of the class of equity securities as of May 21, 2009. The reported share amounts reflect amounts beneficially owned by the reporting persons as of the date hereof.

Each of QVT Financial and QVT Financial GP LLC disclaims beneficial ownership of the shares of Common Stock owned by the Fund and Quintessence. QVT Associates GP LLC disclaims beneficial ownership of all shares of Common Stock owned by the Fund and Quintessence, except to the extent of its pecuniary interest therein.

The percentage disclosed in Item 11 of the Cover Pages for each reporting person is calculated based upon 60,777,815 shares of Common Stock outstanding, which is the total number of shares issued and outstanding reported in the Issuer's Prospectus Supplement, filed with the Securities and Exchange Commission on May 19, 2009.

(b) Percent of class:

See Item 11 of the Cover Pages to this Schedule 13G.

- (c) Number of shares as to which the person has:
 - (i) Sole power to vote or to direct the vote

0

(ii) Shared power to vote or to direct the vote

See item (a) above.

(iii) Sole power to dispose or to direct the disposition of

0

(iv) Shared power to dispose or to direct the disposition of

See item (a) above.

Item 5. Ownership of Five Percent or Less of a Class

Item 6. Ownership of More than Five Percent on Behalf of Another Person.

Not Applicable

Item 7. Identification and Classification of the Subsidiary Which Acquired the Security Being Reported on By the Parent Holding Company

Not Applicable

Item 8. Identification and Classification of Members of the Group

Not Applicable

Item 9. Notice of Dissolution of Group

Not Applicable

Item 10. Certification

By signing below I certify that, to the best of my 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 my knowledge and belief, I certify that the information set forth in this statement is true, complete and correct.

Dated: May 26, 2009

Name: Oren Eisner

Title: Authorized Signatory

QVT FINANCIAL LP QVT FUND LP By QVT Financial GP LLC, By QVT Associates GP LLC, its General Partner its General Partner /s/ Tracy Fu /s/ Tracy Fu By: Name: Tracy Fu Name: Tracy Fu Title: Managing Member Title: Managing Member /s/ Oren Eisner By: /s/ Oren Eisner By: Name: Oren Eisner Name: Oren Eisner Title: Authorized Signatory Title: Authorized Signatory QVT FINANCIAL GP LLC QVT ASSOCIATES GP LLC /s/ Tracy Fu By: /s/ Tracy Fu By: Name: Tracy Fu Name: Tracy Fu Title: Managing Member Title: Managing Member /s/ Oren Eisner /s/ Oren Eisner By: By:

Page 8 of 9

Name: Oren Eisner

Title: Authorized Signatory

EXHIBIT A JOINT FILING AGREEMENT

The undersigned hereby agree that the statement on Schedule 13G filed herewith (and any amendments thereto) signed by each of the undersigned shall be filed on behalf of each of the undersigned pursuant to and in accordance with the provisions of Rule 13d-1(k) under the Securities Exchange Act of 1934, as amended.

Dated: May 26, 2009

QVT FINANCIAL LP QVT FUND LP By QVT Financial GP LLC, By QVT Associates GP LLC, its General Partner its General Partner /s/ Tracy Fu /s/ Tracy Fu By: Name: Tracy Fu Name: Tracy Fu Title: Managing Member Title: Managing Member By: /s/ Oren Eisner By: /s/ Oren Eisner Name: Oren Eisner Name: Oren Eisner Title: Authorized Signatory Title: Authorized Signatory QVT FINANCIAL GP LLC QVT ASSOCIATES GP LLC By: /s/ Tracy Fu /s/ Tracy Fu Name: Tracy Fu Name: Tracy Fu Title: Managing Member Title: Managing Member /s/ Oren Eisner /s/ Oren Eisner By: Name: Oren Eisner Name: Oren Eisner Title: Authorized Signatory Title: Authorized Signatory

Page 9 of 9