UNITED STATES SECURITIES AND EXCHANGE COMMISSION

Washington, D.C. 20549

SCHEDULE 13G

Under the Securities Exchange Act of 1934 (Amendment No. 2)*

Cytokinetics, Incorporated

(Name of issuer)

Common Stock, \$0.001 par value per share (Title of class of securities)

23282W100 (CUSIP Number)

December 31, 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 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).

^{*} 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.

CUSIP No. 23282W100					
1.	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.	Citizen	Citizenship or place of organization			
	Del	awa			
Number of shares beneficially owned by each reporting person		5.	0		
		6.	Shared voting power 4,239,337		
		7.	Sole dispositive power 0		
with:		8.	· · · · · · · · · · · · · · · · · · ·		
			4,239,337		
9.	Aggregate amount beneficially owned by each reporting person				
	4,239,337				
10.	Check if the aggregate amount in Row (9) excludes certain shares (see instructions) □				
11.	Percent of class represented by amount in Row (9)				
	6.75%				
12.	Type of	frep	orting person (see instructions)		
	PN				

CUSIP No	. 23282	W100	0	
1.	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.	4. Citizenship or place of organization			
	Del	lawa	are	
		5.	Sole voting power	
Numb	or of		0	
shai		6.	Shared voting power	
benefic owne			4,239,337	
eac repor	h	7.	Sole dispositive power	
pers	on		0	
wit	h:	8.	Shared dispositive power	
			4,239,337	
9.	Aggregate amount beneficially ov		amount beneficially owned by each reporting person	
	4,239,337		337	
10.	Check if the aggregate amount in Row (9) excludes certain shares (see instructions) □		e aggregate amount in Row (9) excludes certain shares (see instructions)	
11.	Percent of class represented by amount in Row (9)			
6.75%				
12.	Type o	frep	orting person (see instructions)	
	00)		

CUSIP No. 23282W100					
1.	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) ⊠				
3.	SEC use only				
4.	Citizen	Citizenship or place of organization			
	Cay	ma	n Islands		
Numb	er of	5.	Sole voting power 0		
shar benefic owne	es cially	6.	Shared voting power 3,825,248		
eac repor pers	ting	7.	Sole dispositive power 0		
wit		8.	Shared dispositive power		
		0.	3,825,248		
9.	Aggregate amount beneficially owned by each reporting person				
	3,825,248				
10.	Check if the aggregate amount in Row (9) excludes certain shares (see instructions) □				
11.	Percent of class represented by amount in Row (9)				
	6.11%				
12.	Type of	rep	orting person (see instructions)		
	PN				

CUSIP No	o. 23282V	W10	0			
1.	Names I.R.S. I	of re	eporting persons. ification 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) ⊠					
3.	SEC use only					
4.	Citizen	ship	or place of organization			
	Del	Delaware				
		5.	Sole voting power			
Numl	per of		0			
sha		6.	Shared voting power			
benefi owne	icially ed by		4,239,337			
ea repor	ch	7.	Shared dispositive power			
per	son		0			
wi	th:	8.	Shared dispositive power			
			4,239,337			
9.	Aggreg	Aggregate amount beneficially owned by each reporting person				
	4,2	4,239,337				
10.	Check if the aggregate amount in Row (9) excludes certain shares (see instructions) □		e aggregate amount in Row (9) excludes certain shares (see instructions)			
11.	Percent of class represented by amount in Row (9)		class represented by amount in Row (9)			
	6.7	6.75%				
12.	Type o	frep	orting person (see instructions)			
	00	00				
	00	00				

Item 1	(a).	Name o	of Issuer				
		Cytoki	netics, Incorporated (the "Issuer")				
Item 1	(b).	Addres	ddress of Issuer's Principal Executive Offices				
			dress of the Issuer's principal executive offices is: ast Grand Avenue, South San Francisco, California 94080, United States				
Item 2	(a).	Name o	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, Walker House 87 Mary Street George Town, Grand Cayman, KY1 9001 Cayman Islands Cayman Islands Limited Partnership					
		1177 A New Yo	Associates GP LLC Avenue of the Americas, 9th Floor ork, New York 10036 are Limited Liability Company				
Item 2	(d).	Title o	f 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.	If this s	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)		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 as of December 31, 2009:

QVT Financial LP ("QVT Financial") is the investment manager for QVT Fund LP (the "Fund") and Quintessence Fund L.P. ("Quintessence"). The Fund beneficially owns 2,157,206 shares of Common Stock and 1,668,042 shares of Common Stock underlying common stock purchase warrants (the "Warrants"). Accordingly, the Fund may be deemed to beneficially own 3,825,248 shares of Common Stock, consisting of the shares of Common Stock owned by the Fund and shares of Common Stock issuable upon exercise of the Warrants held by the Fund. Quintessence beneficially owns 233,681 shares of Common Stock and 180,408 Warrants, and accordingly, Quintessence may be deemed to beneficially own 414,089 shares of Common Stock, consisting of the shares of Common Stock owned by Quintessence and shares of Common Stock issuable upon exercise of the Warrants held by Quintessence.

Therefore, QVT Financial may be deemed to be the beneficial owner of an aggregate amount of 4,239,337 shares of Common Stock, consisting of the shares of Common Stock owned by the Fund and Quintessence and the shares underlying the Warrants 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 4,239,337 shares of Common Stock.

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 the sum of (i) 60,929,626 shares of Common Stock outstanding, which is the total number of shares issued and outstanding as reported in the Issuer's Quarterly Report on Form 10-Q for the quarter ended September 30, 2009 and filed with the Securities and Exchange Commission on November 5, 2009 and (ii) the number of shares of Common Stock issuable upon exercise of the Warrants held by such reporting person.

(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

If this statement is being filed to report the fact that as of the date hereof the reporting person has ceased to be the beneficial owner of more than five percent of the class of securities, check the following \Box .

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: February 12, 2010

QVT FINANCIA	L LP	QVT FUND LP			
By QVT Financia its General Partne		By QVT Associates GP LLC, its General Partner			
By:	/s/ Oren Eisner	Ву:	/s/ Oren Eisner		
Name:	Oren Eisner	Name:	Oren Eisner		
Title:	Authorized Signatory	Title:	Authorized Signatory		
QVT FINANCIA	L GP LLC	QVT ASSOCIAT	ES GP LLC		
By:	/s/ Oren Eisner	Ву:	/s/ Oren Eisner		
Name:	Oren Eisner	Name:	Oren Eisner		
Title:	Authorized Signatory	Title:	Authorized Signatory		

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