UNITED STATES SECURITIES AND EXCHANGE COMMISSION

Washington, D.C. 20549

FORM 8-K

CURRENT REPORT

PURSUANT TO SECTION 13 OR 15(D) OF THE SECURITIES EXCHANGE ACT OF 1934

February 3, 2005

Date of Report (Date of earliest event reported)

CYTOKINETICS, INCORPORATED

(Exact name of registrant as specified in its charter)

Delaware

(State or other jurisdiction of incorporation)

000-50633

(Commission File Number)

94-3291317

(IRS Employer Identification No.)

280 East Grand Avenue South San Francisco, California 94080

(Address of principal executive offices, including zip code)

(650) 624-3000

(Registrant's telephone number, including area code)

Not Applicable

(Former name or former address, if changed since last report)

Check the appropriate box below if the Form 8-K filing is intended to simultaneously satisfy the filing obligation of the registrant under any of the following provisions:

]	Written communications	pursuant to Rule 425	under the Securities A	Act (17 CFR 230.4	25)
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- Soliciting material pursuant to Rule 14a-12 under the Exchange Act (17 CFR 240.14a-12)
- □ Pre-commencement communications pursuant to Rule 14d-2(b) under the Exchange Act (17 CFR 240.14d-2(b))
- Pre-commencement communications pursuant to Rule 13e-4(c) under the Exchange Act (17 CFR 240.13e-4(c))

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Item 2.02. Results of Operations and Financial Condition.

On February 3, 2005, Cytokinetics, Incorporated issued a press release announcing its results for the fourth quarter and year ended December 31, 2004. A copy of the press release has been furnished as Exhibit 99.1 to this report and is incorporated by reference herein.

The information in this Current Report on Form 8-K and in Exhibit 99.1 shall not be deemed to be "filed" for the purposes of Section 18 of the Securities Exchange Act of 1934, as amended (the "Exchange Act"), or incorporated by reference into any registration statement or other document filed or furnished pursuant to the Securities Act of 1933, as amended, or the Exchange Act except as shall be expressly set forth by specific reference in such document.

Item 9.01. Financial Statements and Exhibits.

(c) Exhibits.

The following exhibit is furnished as part of this Current Report on Form 8-K.

Exhibit No.	Description		
99.1	Press Release, dated February 3, 2005		-
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SIGNATURES

Pursuant to the requirements of the Securities Exchange Act of 1934, the registrant has duly caused this report to be signed on its behalf by the undersigned hereunto duly authorized.

CYTOKINETICS, INCORPORATED

James H. Sabry
James H. Sabry

Date: February 3, 2005 President and Chief Executive Officer

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Exhibit No.	Description
99.1	Press Release, dated February 3, 2005

Cytokinetics, Inc. Sharon Surrey-Barbari SVP, Finance and CFO (650) 624-3000 Burns McClellan, Inc. Jonathan M. Nugent (investors) Justin Jackson (media) (212) 213-0006

CYTOKINETICS, INCORPORATED REPORTS FOURTH QUARTER AND YEAR END 2004 FINANCIAL RESULTS

Company Provides Update on Development Programs

For immediate release

SOUTH SAN FRANCISCO, CA, February 3, 2005 – Cytokinetics, Incorporated (Nasdaq: CYTK), for the fourth quarter of 2004, reported revenues from research and development collaborations of \$2.2 million. Net loss for the fourth quarter of 2004 was \$11.8 million or \$0.42 per share. As of December 31, 2004, cash, cash equivalents, restricted cash and marketable securities totaled \$116.2 million.

"In 2004 we made progress in advancing our oncology development program. During the fourth quarter of 2004, in connection with our strategic alliance, GlaxoSmithKline initiated an additional Phase II trial evaluating SB-715992 in the treatment of patients with advanced ovarian cancer. This trial complements an ongoing Phase II program being conducted by both GlaxoSmithKline and the National Cancer Institute, which will result in SB-715992 being evaluated in a total of nine Phase II trials. We anticipate that as a result of these trials, we will understand the potential effect of SB-715992 across multiple tumor types in 2005," stated James Sabry, President and Chief Executive Officer. "Furthermore, our cardiovascular development program has advanced towards the selection of a drug candidate and we expect to initiate clinical trials for the treatment of congestive heart failure in 2005. In both our oncology and cardiovascular disease programs, we are pleased with the company's continuing maturation and our drug candidates transitioning from our scientific laboratories to clinical testing and potential pharmaceutical validation."

Company Highlights

- In December 2004, in connection with our strategic alliance, GlaxoSmithKline (GSK) initiated a 35 patient Phase II clinical trial evaluating the efficacy of SB-715992, our novel kinesin spindle protein (KSP) inhibitor, as monotherapy in treatment of advanced ovarian cancer patients previously treated with a platinum and taxane-based regimen. The primary endpoint of this trial is response rate as determined by RECIST criteria and CA-125 levels.
- During the fourth quarter, GSK continued to enroll patients in two ongoing international Phase II monotherapy clinical trials, one trial evaluating SB-715992 in the second-line treatment of patients with non-small cell lung cancer (NSCLC) and the other in the second- or third-line treatment of patients with breast cancer. In each case, the primary endpoint is response rate as determined by RECIST criteria.
- During the fourth quarter, GSK initiated two additional SB-715992 dose-escalating Phase Ib trials. Both trials are designed to evaluate the safety, tolerability, and pharmacokinetics of SB-715992 in combination with a leading anti-cancer therapeutic, one in combination with carboplatin, the other in combination with capecitabine. In addition, concurrent with these studies, GSK continued to enroll patients in a similar Phase Ib trial in the United Kingdom evaluating the safety, tolerability and pharmacokinetics of SB-715992 in combination with docetaxel.
- The National Cancer Institute (NCI), in collaboration with GSK, plans to conduct several Phase I and Phase II clinical trials to further evaluate the safety and efficacy of SB-715992 in a variety of tumor types. The NCI recently began two Phase I trials designed to evaluate the safety, tolerability and pharmacokinetics of SB-715992 infused on an alternative dosing schedule (days 1, 2 and 3 on a 21-day cycle). One of these two trials is enrolling patients who have acute leukemia, chronic myelogenous leukemia or advanced myelodysplastic syndromes. The other Phase I clinical trial is enrolling patients with advanced solid tumors that have failed to respond to all standard therapies. The NCI also has plans to initiate six Phase II trials evaluating the efficacy of SB-715992 for the treatment of colorectal, hepatocellular, head and neck, prostate and renal cell cancers and melanoma.

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- In addition during the quarter, GSK continued to enroll patients in an ongoing Phase I trial designed to evaluate the safety, tolerability, and pharmacokinetics of SB-743921, a second KSP inhibitor, in patients with advanced cancer. This drug candidate is structurally distinct from SB-715992.
- During the fourth quarter, at the American Heart Association and American Society of Cell Biology meetings, Cytokinetics' scientists
 presented non-clinical data from its cardiac myosin activator program for the treatment of congestive heart failure. The presentations detailed
 the biochemistry, enzymology, and advanced cell biology for certain experimental compounds and provided preclinical support and
 validation for this potential next-generation approach to the treatment of acute and chronic congestive heart failure.
- During the quarter, Cytokinetics continued to characterize several cardiac myosin activators in pharmacological models and in pre-clinical studies related to drug safety and manufacturing. The company plans to advance one of these drug candidates into human clinical trials in 2005.

Financials

Revenues from research and development (R&D) collaborations for the fourth quarter of 2004 were \$2.2 million, compared to revenues in the fourth quarter of 2003 of \$2.7 million. Revenues were derived from research collaborations with GSK and AstraZeneca. The decline in collaborative research revenues for the fourth quarter of 2004, as compared to the fourth quarter of 2003, was a result of the net effect of a contractually specified decrease in funding by GSK, offset in part by an increase in AstraZeneca funding.

Total R&D expenses in the fourth quarter of 2004 were \$11.2 million compared to \$9.3 million for the same period in 2003. Expenses related to the preclinical development of the Company's drug candidates for the treatment of congestive heart failure and early research programs were the primary contributors to the increased spending in 2004.

Total general and administrative (G&A) expenses for the fourth quarter of 2004 of \$3.3 million increased \$0.9 million from \$2.4 million for the same period in 2003. The increase over the prior year was primarily due to increased personnel expenses and additional outside services associated with the cost of being a public company.

The net loss for the three months ended December 31, 2004 was \$11.8 million, or \$0.42 per share. This compares to a net loss for the same period in 2003 of \$9.2 million, or \$4.59 per share, which does not take into account the conversion of preferred stock into shares of common stock on a weighted average basis, pre IPO.

Cytokinetics also reported results of its operations for the twelve months ended December 31, 2004. Revenues from research, development collaborations and grants for the twelve month period were \$13.4 million, compared to revenues of \$10.6 million for the same period in 2003. The increase in revenues for the twelve months ended December 31, 2004, as compared to the same period in 2003, was primarily the result of achieving a milestone of \$3.0 million for the initiation of a Phase II clinical trial for SB-715992 by our partner GSK.

Total R&D expenses for the twelve months ended December 31, 2004 increased to \$39.9 million from \$33.4 million for the same period in 2003. Expenses related to the pre-clinical development of the Company's drug candidates for the treatment of congestive heart failure and early research programs were the primary reasons for the increased spending in 2004.

Total G&A expenses for the twelve months ended December 31, 2004 increased to \$12.0 million, compared to \$9.8 million for the twelve months ended December 31, 2003. The increase in G&A expenses was largely due to increased personnel expenses and increased professional services associated with the cost of being a public company.

The net loss for the twelve months ended December 31, 2004 was \$37.2 million, or \$1.88 per share. This compares to a net loss for the same period in 2003 of \$32.7 million, or \$17.10 per share, which does not take into account the conversion of preferred stock into shares of common stock on a weighted average basis, pre IPO.

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Financial Guidance for 2005

Cytokinetics also announced its financial guidance for 2005. The Company's revenue guidance for 2005 is in the range of \$5 to \$7 million. Guidance for R&D expenses is in the range of \$45 to \$49 million and G&A expense guidance is in the range of \$13 to \$14 million. This guidance does not take into effect the impact of FAS123R, "Accounting for Stock-Based Compensation", which is currently projected to go into effect in the second half of 2005.

During 2005, the Company will provide updates of its financial guidance for the year at each quarterly financial reporting period.

Annual Stockholders' Meeting

The Company's Annual Stockholders' Meeting will be held at the Embassy Suites in South San Francisco, CA at 10:00 a.m. on May 19, 2005.

Company Milestones for 2005

Oncology

SB-715992

- Data anticipated from the Phase II trial of second-line therapy in patients with NSCLC
- Interim data anticipated from the Phase II trial of second- or third-line therapy in patients with breast cancer
- Data anticipated from the Phase II trial of second-line therapy in patients with ovarian cancer
- Data anticipated from three Phase Ib trials, each evaluating SB-715992 in combination with docetaxel, with capecitabine, or with carboplatin, respectively

SB-743921

• Data anticipated from Phase I trial

The clinical trial milestones for the oncology program are based on information provided by our strategic partner GSK.

Cardiovascular

Cardiac Myosin Activator

Advance one of our drug candidates into human clinical trials in 2005

- more -

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Conference Call and Webcast Information

James Sabry, M.D., Ph.D., President and CEO, and Sharon Surrey-Barbari, SVP of Finance and CFO, and other members of the management team, will review fourth quarter results via webcast and conference call today at 4:30 PM Eastern Time. To access the live webcast, please log-on in the Investor Relations section of Cytokinetics' website at www.cytokinetics.com. Investors, members of the news media and the general public may also access the live conference call by dialing either 800-599-9829 (United States and Canada) or 617-847-8703 (International) and typing in the passcode 51777823. The webcast will be available via Cytokinetics' website through March 3, 2005. The audiocast will be available via telephone by dialing 888-286-8010 (United States and Canada) or 617-801-6888 (International) and typing in the passcode 56628906 from February 3, 2005 at 6:30 PM Eastern Time until February 10, 2005.

About Cytokinetics

Cytokinetics is a leading biopharmaceutical company focused on the discovery, development and commercialization of novel small molecule drugs that specifically target the cytoskeleton. The cytoskeleton is a complex biological infrastructure that plays a fundamental role within every human cell. Cytokinetics' focus on the cytoskeleton enables it to develop novel and potentially safer and more effective classes of drugs directed at treatments for cancers, cardiovascular diseases and other diseases. Cytokinetics has developed a cell biology driven approach and proprietary technologies to evaluate the function of many interacting proteins in the complex environment of the intact human cell. Cytokinetics employs the PUMATM system and CytometrixTM technologies to enable early identification and automated prioritization of compounds that are highly selective for their intended protein targets without other cellular effects, and are thereby less likely to give rise to clinical side effects. Cytokinetics and GlaxoSmithKline have entered into a strategic alliance to discover, develop and commercialize small molecule therapeutics targeting human mitotic kinesins for applications in the treatment of cancer and other diseases. GlaxoSmithKline is conducting Phase II and Phase Ib clinical trials for SB-715992 and a Phase I clinical trial for SB-743921, each a drug candidate that has emerged from the strategic alliance. Additional information about Cytokinetics can be obtained at www.cytokinetics.com.

This press release contains forward-looking statements for purposes of the Private Securities Litigation Reform Act of 1995 (the "Act"). Cytokinetics disclaims any intent or obligation to update these forward-looking statements, and claims the protection of the Safe Harbor for forward-looking statements contained in the Act. Examples of such statements include, but are not limited to, statements relating to the expected timing, scope and results of our clinical development and research program, including Company milestones for 2005, statements regarding our financial guidance, including expected revenues and R&D and G&A expenses for 2005, and statements regarding the potential benefits of our drug candidates and potential drug candidates and the enabling capabilities of our proprietary technologies. Such statements are based on management's current expectations, but actual results may differ materially due to various factors. Such statements involve risks and uncertainties, including, but not limited to, those risks and uncertainties relating to difficulties or delays in development, testing, regulatory approval, production and marketing of Cytokinetics' drug candidates that could slow or prevent clinical development, product approval or market acceptance (including the risks relating to uncertainty of patent protection for Cytokinetics' intellectual property or trade secrets, Cytokinetics' ability to obtain additional financing if necessary and unanticipated research and development and other costs), the timing and receipt of funds under our collaborations and the implementation and maintenance of procedures, policies, resources and infrastructure relating to compliance with new or changing laws, regulations and practices applicable to public companies. For further information regarding these and other risks related to Cytokinetics' business, investors should consult Cytokinetics' filings with the Securities and Exchange Commission.

Condensed Statement of Operations (in thousands, except share & per share data) (unaudited)

	Three Months Ended			Twelve Months Ended				
	Dec	cember 31, 2004	Dec	ember 31, 2003	De	cember 31, 2004	De	cember 31, 2003
Revenues:								
Research and development and grant revenues	\$	1,526	\$	2,007	\$	10,642	\$	7,777
License fees		700		700		2,800		2,800
Total revenues		2,226		2,707		13,442		10,577
Operating Expenses:								
Research and development		11,213		9,252		39,885		33,392
General and administrative		3,303		2,436		11,991		9,775
Total operating expenses		14,516		11,688		51,876		43,167
Operating loss:		(12,290)		(8,981)		(38,434)		(32,590)
Interest and other income		626		197		1,785		903
Interest and other expense		(156)		(367)		(549)		(998)
Net loss	\$	(11,820)	\$	(9,151)	\$	(37,198)	\$	(32,685)
Net loss per common share:								
Basic and diluted	\$	(0.42)	\$	(4.59)	\$	(1.88)	\$	(17.10)
Weighted average shares used in computing net loss per common share, basic and								
diluted	28	3,264,796	1	,992,701	1	9,755,865		1,911,006

Condensed Balance Sheet Data (in thousands) (unaudited)

	De	December 31, 2004		December 31, 2003	
Assets					
Cash and cash equivalents	\$	13,061	\$	10,278	
Short term investments		92,637		24,197	
Other current assets		3,369		2,601	
Total current assets		109,067		37,076	
Property and equipment, net		7,336		8,870	
Non-current and restricted investments		5,980		8,345	
Investments		4,555		7,857	
Other assets	_	1,163		725	
Total assets	\$	128,101	\$	62,873	
Liabilities, convertible preferred stock and stockholders' equity (deficit)					
Current liabilities	\$	11,039	\$	9,457	
Long-term obligations		9,506		12,275	
Preferred stock		_		133,172	
Stockholder's equity (deficit)	_	107,556		(92,031)	
Total liabilities, convertible preferred stock and stockholders' equity (deficit)	\$	128,101	\$	62,873	