Cytokinetics Announces Clinical Trials Data Relating to CK-1827452 to Be Presented at the 2008 Annual Heart Failure Society of America Conference

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Interim Analysis in an Ongoing Clinical Trial in Patients With Stable Heart Failure to Be Presented in Late Breaking Session

SOUTH SAN FRANCISCO, CA, Sep 17, 2008 (MARKET WIRE via COMTEX News Network) -- Cytokinetics, Incorporated (NASDAQ: CYTK) announced today that a Late Breaking oral presentation and a poster presentation, each relating to one of two clinical trials for CK-1827452, are scheduled to be presented at the 2008 Annual Heart Failure Society of America (HFSA) Conference, which is being held September 21-24, 2008 at the Metro Toronto Convention Centre in Toronto, Ontario, Canada. These trials, which are being conducted in stable heart failure patients, are evaluating CK-1827452, a novel cardiac myosin activator being developed for the potential treatment of patients with either acutely decompensated or chronic heart failure.

Poster Presentation at HFSA

Abstract #P254: "Rationale and Design for a Phase II Study Evaluating the Effect of the Cardiac Myosin Activator, CK-1827452, on Cardiac Function, Hemodynamics, and Myocardial Oxygen Consumption in Patients with Heart Failure." The poster presentation is on Tuesday, September 23, 2008, during the Cardiovascular Pharmacology Poster Session and the presenter, John Parker, MD, FRCP (C), Professor of Medicine and Pharmacology, University of Toronto, Mount Sinai and University Networks Hospital, will be present from 5:45 PM - 6:45 PM in the Exhibit Hall.

Oral Presentation at HFSA

"The Selective Cardiac Myosin Activator CK-1827452 Increases Systolic Function in a Concentration-Dependent Manner in Patients with Stable Heart Failure" will be presented in the Late Breaking Clinical Trials: II, Symposium XXVII on Wednesday, September 24, 2008, from 8:30 AM - 10:00 AM in Constitution Hall 105. The presentation will be made by John Cleland, MD, FACC, FRCP, FESC, Professor of Cardiology, Castle Hill Hospital, University of Hull, United Kingdom.

About Cytokinetics

Cytokinetics is a biopharmaceutical company focused on the discovery, development and commercialization of novel small molecule drugs that may address areas of significant unmet clinical needs. Cytokinetics' cardiovascular disease program is focused to cardiac myosin, a motor protein essential to cardiac muscle contraction. Cytokinetics' lead compound from this program, CK-1827452, a novel small molecule cardiac myosin activator, entered Phase II clinical trials for the treatment of heart failure in 2007. Under a strategic alliance established in 2006, Cytokinetics and Amgen Inc. are performing joint research focused on identifying and characterizing activators of cardiac myosin as back-up and follow-on potential drug candidates to CK-1827452. Amgen has obtained an option for an exclusive license to develop and commercialize CK-1827452, subject to Cytokinetics' development and commercial participation rights. Cytokinetics' cancer program is focused on mitotic kinesins, a family of motor proteins essential to cell division. Under a strategic alliance established in 2001, Cytokinetics and GlaxoSmithKline (GSK) are conducting research and development activities focused on the potential treatment of cancer. Cytokinetics is developing two novel drug candidates that have arisen from this program, ispinesib and SB-743921, each a novel inhibitor of kinesin spindle protein (KSP), a mitotic kinesin. Cytokinetics is sponsoring a Phase I clinical trial of ispinesib as monotherapy as a first-line treatment in chemotherapy-naive patients with locally advanced or metastatic breast cancer. In addition, Cytokinetics is conducting a Phase I trial of SB-743921 in patients with non-Hodgkin or Hodgkin lymphoma. GSK has an option for the joint development and commercialization of ispinesib and SB-743921. Cytokinetics and GSK are conducting collaborative research activities directed to the mitotic kinesin centromere-associated protein E (CENP-E). GSK-923295, a CENP-E inhibitor, is being developed under the strategic alliance by GSK; GSK began a Phase I clinical trial with GSK-923295 in 2007. In April 2008, Cytokinetics announced the selection of a potential drug candidate directed towards skeletal muscle contractility which may be developed as a potential treatment for skeletal muscle weakness associated with neuromuscular diseases or other conditions. All of these drug candidates and potential drug candidates have arisen from Cytokinetics' research activities and are directed towards the cytoskeleton. The cytoskeleton is a complex biological infrastructure that plays a fundamental role within every human cell. 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 Cytokinetics' research and development programs, including planned presentations relating to clinical trials and the potential benefits of Cytokinetics' drug candidates and potential drug candidates. Such statements are based on management's current expectations, but actual results may differ materially due to various risks and uncertainties, including, but not limited to, potential difficulties or delays in the development, testing, regulatory approval or production of Cytokinetics' drug candidates that could slow or prevent clinical development or product approval, including risks that current and past results of clinical trials or preclinical studies may not be indicative of future clinical trials results, patient enrollment for or conduct of clinical trials may be difficult or delayed, Cytokinetics' drug candidates may have adverse side effects or inadequate therapeutic efficacy, the U.S. Food and Drug Administration or foreign regulatory agencies may delay or limit Cytokinetics' or its partners' ability to conduct clinical trials, and Cytokinetics may be unable to obtain or maintain patent or trade secret protection for its intellectual property; Cytokinetics may incur unanticipated research and development and other costs or be unable to obtain additional financing necessary to conduct development of its products; standards of care may change and others may introduce products or alternative therapies for the treatment of indications Cytokinetics' drug candidates and potential drug candidates may target; and risks and uncertainties relating to the timing and receipt of payments from Cytokinetics' partners, including milestones and royalties on future potential product sales under its collaboration agreements with such partners. For further information regarding these and other risks related to Cytokinetics' business, investors should consult Cytokinetics' filings with the Securities and Exchange Commission.

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