



Cytokinetics to Present Phase IIa Clinical Trials Data on CK-1827452 at the 2009 Heart Failure Congress of the European Society of Cardiology

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Results to Be Presented at Late Breaking Trials Session

SOUTH SAN FRANCISCO, CA, May 22, 2009 (MARKETWIRE via COMTEX) -- Cytokinetics, Incorporated (NASDAQ: CYTK) announced today that data relating to two Phase IIa clinical trials evaluating CK-1827452, one in stable heart failure patients and one in patients with ischemic cardiomyopathy and angina, are scheduled to be presented in two poster presentations and in the late breaking trials session at the 2009 Heart Failure Congress of the European Society of Cardiology, to be held May 30-June 2, 2009, at the Nice Acropolis Palais des Congres et Expositions in Nice, France.

Late Breaking Trials Session

The late breaking presentation titled "The Selective Cardiac Myosin Activator, CK-1827452, Increases Systolic Function in Heart Failure" will be presented on Monday, June 1, 2009 from 11:00 AM - 12:30 PM Central European Time in the Apollon Auditorium by John Cleland, MD, FACC, FRCP, FESC, Professor of Cardiology, Castle Hill Hospital, University of Hull, United Kingdom.

Poster Presentations

Program #149: "Echocardiographic Detection of Increases in Ejection Fraction in Patients with Heart Failure Receiving the Selective Cardiac Myosin Activator, CK-1827452" is scheduled to be displayed in the session titled "Medical and Surgical Treatments Poster Session: Drug Therapy, Other" on Sunday, May 31, 2009 from 8:30 AM - 12:30 PM Central European Time in the Clinical Poster Zone. The poster will be moderated by Jonathan H. Goldman, MD, FACC, Chief Medical Officer, ICON Medical Imaging, Warrington, PA from 10:00 AM - 11:00 AM.

Program #174: "Phase II Safety Study Evaluating the Novel Cardiac Myosin Activator, CK-1827452, in Patients with Ischemic Cardiomyopathy and Angina" is scheduled to be displayed in the session titled "Medical and Surgical Treatments Poster Session: Drug Therapy, Other" on Sunday, May 31, 2009 from 8:30 AM - 12:30 PM Central European Time in the Clinical Poster Zone. The poster will be moderated by Barry H. Greenberg, MD, Chair of the Safety Review Committee for this clinical trial and Director, Advanced Heart Failure Treatment Program, University of California, San Diego Medical Center from 10:00 AM - 11:00 AM.

About Cytokinetics

Cytokinetics is a clinical-stage biopharmaceutical company focused on the discovery and development of novel small molecule therapeutics that modulate muscle function for the potential treatment of serious diseases and medical conditions. Cytokinetics' cardiac muscle contractility program is focused on cardiac muscle myosin, a motor protein essential to cardiac muscle contraction. Cytokinetics' lead compound from this program, CK-1827452, a novel small molecule cardiac muscle myosin activator, is in Phase II clinical trials for the treatment of heart failure. Amgen Inc. has obtained an option for an exclusive license to develop and commercialize CK-1827452, subject to Cytokinetics' development and commercialization participation rights. In mid-2009, Cytokinetics plans to initiate a Phase I clinical trial of CK-2017357, a fast skeletal muscle troponin activator, in healthy volunteers in the United States. CK-2017357 is being developed as a potential treatment for diseases and medical conditions associated with aging, muscle wasting, and neuromuscular dysfunction. In January 2009, Cytokinetics announced the selection of a potential drug candidate directed towards smooth muscle contractility. Cytokinetics' smooth muscle myosin inhibitors have arisen from research focused towards potential treatments for diseases and conditions, such as systemic hypertension, pulmonary arterial hypertension or bronchoconstriction.

Cytokinetics' cancer development programs are focused on mitotic kinesins, a family of motor proteins essential to cell division. Cytokinetics is developing two drug candidates that have arisen from this program, ispinesib and SB-743921, each an inhibitor of kinesin spindle protein. In addition, Cytokinetics and GlaxoSmithKline are conducting research and development activities focused on GSK-923295, an inhibitor of centromere-associated protein E (CENP-E).

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 Act's safe harbor for forward-looking statements. Examples of such statements include, but are not limited to, statements relating to planned presentations, the planned initiation of clinical trials and the properties and 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 and production of Cytokinetics' drug candidates and potential 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 and that Cytokinetics' drug candidates and potential drug candidates may have unexpected adverse side effects or inadequate therapeutic efficacy. 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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SOURCE: Cytokinetics, Inc.