FOR IMMEDIATE RELEASE

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Bioheart Announces University of Miami as Clinical Site for Angel Trial of LipiCell™

February 28, 2012 - Sunrise, FL - Bioheart, Inc. (BHRT.OB) announced that the company will conduct the ANGEL trial using adipose (fat) derived stemcell technologyor LipiCell™ at the University of Miami Miller School of Medicine. Bioheart recently applied to the FDA to begin trials using adipose derived stem cells in patients with chronic ischemic cardiomyopathy.

"Dr. Joshua Hare and the University of Miami are world leaders in the field of stem cell research," said Mike Tomas, President and CEO of Bioheart. "We look forward to working with these acclaimed experts and bringing the LipiCell™ technology to patients in the U.S."

The clinical protocol of the ANGEL trial is designed to assess the safety and cardiovascular effects of intramyocardial implantation of autologous adipose derived stem cells (LipiCell™) in patients with chronic ischemic cardiomyopathy.Joshua Hare, MD, Director of the Interdisciplinary Stem Cell Institute at the University of Miami Miller School of Medicine is the principle investigator of the clinical program.

The Interdisciplinary Stem Cell Institute was established to capitalize on pioneering work in the use of adult stem cells for the repair of malfunctioning human organs. The goal of the Institute is to find new treatments for heart disease, neurological disease, bone disease, diabetes, cancer, eye diseases and other chronic, debilitating, or incurable diseases. University of Miami scientists have led in the development of procedures to extract adult stem cells and have conducted ground breaking research in cell-based therapy for the diseased human heart.

About Bioheart, Inc.

Bioheart is committed to maintaining our leading position within the cardiovascular sector of the cell technology industry delivering cell therapies and biologics that help address congestive heart failure, lower limb ischemia, chronic heart ischemia, acute myocardial infarctions and other issues. Our goals are to cause damaged tissue to be regenerated, if possible, and to improve a patient's quality of life and reduce health care costs and hospitalizations.

Specific to biotechnology, we are focused on the discovery, development and, subject to regulatory approval, commercialization of autologous cell therapies for the treatment of chronic and acute heart damage and peripheral vascular disease. Our leading product, MyoCell, is a clinical muscle-derived cell therapy designed to populate regions of scar tissue within a patient's heart with new living cells for the purpose of improving cardiac function in chronic heart failure patients.For more information on Bioheart, visit www.bioheartinc.com.

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Forward-Looking Statements: Except for historical matters contained herein, statements made in this press release are forward-looking statements. Without limiting the generality of the foregoing, words such as "may," "will," "to," "plan," "expect," "believe," "anticipate," "intend," "could," "would," "estimate," or "continue" or the negative other variations thereof or comparable terminology are intended to identify forward-looking statements.

Forward-looking statements involve known and unknown risks, uncertainties and other factors which may cause our actual results, performance or achievements to be materially different from any future results, performance or achievements expressed or implied by the forward-looking statements. Also, forward-looking statements represent our management's beliefs and assumptions only as of the date hereof. Except as required by law, we assume no obligation to update these forward-looking statements publicly, or to update the reasons actual results could differ materially from those anticipated in these forward-looking statements, even if new information becomes available in the future.

The Company is subject to the risks and uncertainties described in its filings with the Securities and Exchange Commission, including the section entitled "Risk Factors" in its Annual Report on Form 10-K for the year ended December 31, 2010, and its Quarterly Report on Form 10-Q for the quarter ended September 30, 2011.