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For Immediate Release

BIOHEART ANNOUNCES COMPLETION OF FIRST STEM CELL TRAINING IN AUSTRALIA

Sunrise, FL – December 22, 2014 – Bioheart, Inc. (BHRT.OB), a biotechnology company focused on the discovery, development and commercialization of autologous cell therapies, announced completion of the first stem cell training course to bring regenerative therapies to Australia. (www.usstemcelltraining.com)

Bioheart has completed a stem cell training program in Geelong, Australia with Dr. Ian Holton and Dr. Rafael Acosta Rojas. Drs. Holton and Rojas are well known and respected Plastic Surgeons. Ten physicians attended the training program and will introduce regenerative medicine to the more than 23 million people living in Australia.

Kristin Comella, Bioheart's Chief Science Officer, said, "We were so thrilled to work with the team in Australia. Our first training program was a huge success and the physicians who graduated will now bring Bioheart therapies to patients in various cities throughout Australia."

About Bioheart, Inc.

Bioheart, Inc. is committed to maintaining its 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. Bioheart's goals are to cause damaged tissue to be regenerated, when possible, and to improve a patient's quality of life and reduce health care costs and hospitalizations.

Specific to biotechnology, Bioheart is 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. Its 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, or visit us on Facebook: Bioheart and Twitter @BioheartInc.

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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, 2013, and its Quarterly Report on Form 10-Q for the quarter ended September 30, 2014.