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Amarantus BioSciences Announces Publication of Positive Animal Data for MANF in Myocardial Infarction

SUNNYVALE, Calif., Sept. 26, 2012 /PRNewswire/ -- Amaranthus BioSciences, Inc. (OTCBB: AMBS), a biotechnology company developing new treatments and diagnostics for Parkinson's disease (PD) and Traumatic Brain Injury (TBI) centered around its patented anti-apoptotic therapeutic protein MANF, today announced the publication of positive, peer-reviewed efficacy data for MANF in an animal model of myocardial infarction. The results were published in The Journal of Biological Chemistry (JBC) by the Glembotski Lab at the San Diego State University's (SDSU) Department of Biology and the SDSU Heart Institute. The research paper entitled "[Mesencephalic astrocyte-derived neurotrophic factor \(MANF\) protects the heart from Ischemic damage and is selectively secreted upon ER calcium depletion](#)" reports a ~44% reduction in infarct zone size in MANF-treated mice when compared with controls.

"The generation of positive ischemia/reperfusion in-vivo animal data in a model of myocardial infarction represents a significant scientific milestone for MANF as scientists look to establish the therapeutic profile of MANF in ischemic heart disease," said Gerald E. Commissiong, President & CEO of Amaranthus. "As the research on MANF moves forward around the globe, Amaranthus will leverage the data generated by collaborators and independent researchers to improve the value of our IP portfolio as well as overall shareholder value."

Since 2011, the Company has reported positive data in pre-clinical models of Parkinson's disease, Traumatic Brain Injury and Myocardial. The Company owns composition of matter and method of use patents and patent applications for MANF worldwide. Amaranthus is focused primarily on the development of a MANF-based treatment for Parkinson's disease.

About Amaranthus BioSciences, Inc.

Amarantus BioSciences, Inc. is a California-based development-stage biotechnology company founded in January 2008. The Company has a focus on developing certain biologics surrounding the intellectual property and proprietary technologies it owns to diagnose and treat Parkinson's disease, Traumatic Brain Injury and other human diseases. The Company owns the intellectual property rights to a therapeutic protein known as Mesencephalic-Astrocyte-derived Neurotrophic Factor ("MANF"). For further

information please visit www.amarantus.com.

Forward Looking Statements

This press release contains forward-looking statements within the meaning of the Private Securities Litigation Reform Act of 1995. Such statements include, but are not limited to, statements about the possible benefits of MANF therapeutic applications and/or advantages presented by Amarantus' PhenoGuard technology, as well as statements about expectations, plans and prospects of the development of Amarantus' new product candidates. These forward-looking statements are subject to a number of risks, uncertainties and assumptions, including the risks that the anticipated benefits of the therapeutic drug candidates or discovery platforms, as well as the risks, uncertainties and assumptions relating to the development of Amarantus' new product candidates, including those identified under "Risk Factors" in Amarantus' most recently filed Annual Report on Form 10-K and Quarterly Report on Form 10-Q and in other filings Amarantus periodically makes with the SEC. Actual results may differ materially from those contemplated by these forward-looking statements. Amarantus does not undertake to update any of these forward-looking statements to reflect a change in its views or events or circumstances that occur after the date of this presentation.

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