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Amarantus Independently Confirms Published Chinese Positive MANF Tau Phosphorylation Data for Alzheimer's Disease

SAN FRANCISCO and GENEVA, July 1, 2014 (GLOBE NEWSWIRE) --[Amarantus Bioscience Holdings, Inc.](#) (OTCQB:AMBS), a biotechnology company focused on the discovery and development of novel diagnostics and therapeutics related to endoplasmic reticulum stress, cell cycle dysregulation, neurodegeneration and apoptosis, today announced it has independently confirmed MANF's activity in mitigating tau hyperphosphorylation in pre-clinical models of Alzheimer's disease. The studies commissioned by Amaranthus independently confirm data published in 2012 in the Chinese Pharmacological Bulletin entitled "[MANF Inhibits Tau Hyperphosphorylation in Cultured Neuronal Cells](#)" in which the authors demonstrated that MANF had a pronounced effect in reducing Tau hyperphosphorylation, reducing cell death, and improving overall cellular health in *in vitro* models of Alzheimer's disease.

"There has been a high degree of concern of late that data produced in China may not reproduce in Western labs," said Gerald E. Commissiong, President & CEO of Amaranthus. "We are extremely pleased that the Company was able to reproduce these exciting findings, especially in light of our growing interest in the Asian market. What this tells us is that good science is currently being conducted on MANF in China, and we believe we can leverage this to the benefit of shareholders. China is continuing to emerge as a powerhouse across all sectors, including biotechnology. Establishing relationships in that part of the world early on will be tremendously valuable as we seek to fully exploit our MANF technology. Alzheimer's disease is a global problem that we believe will require global solutions."

In *in vitro* models of Alzheimer's disease, MANF improved cell viability and reduced tau hyperphosphorylation believed to be directly associated with human Alzheimer's disease. The data demonstrated a robust activity consistent with positive controls. The Company will begin to map out a strategy to evaluate MANF activity in animal models of Alzheimer's disease as part of its broader MANF research program.

About Mesencephalic-Astrocyte-derived Neurotrophic Factor (MANF)

MANF (Mesencephalic-Astrocyte-derived Neurotrophic Factor) is believed to have broad potential because it is a naturally-occurring protein produced by the body for the purpose of reducing and preventing apoptosis (cell death) in response to injury or disease, via the unfolded protein response of the endoplasmic reticulum. By manufacturing MANF and administering it to the body, Amaranthus is seeking to use a regenerative medicine approach to assist the body with higher quantities of MANF when needed. Amaranthus is the front-

runner and primary holder of intellectual property (IP) around MANF, and is initially focusing on the development of MANF-based protein therapeutics. MANF's current lead indication is Retinitis Pigmentosa, and other applications including Parkinson's disease, Alzheimer's disease and Wolfram's Syndrome. Additional applications for MANF may include Traumatic Brain Injury (TBI), myocardial infarction, antibiotic-induced ototoxicity and certain other rare orphan diseases currently under evaluation.

About Amaranthus BioScience Holdings, Inc.

Amarantus BioScience Holdings (AMBS) is a biotechnology company developing treatments and diagnostics for diseases associated with neurodegeneration and protein misfolding-related apoptosis. AMBS has licensed Eltoprazine ("Eltoprazine"), a phase 2b ready small molecule indicated for Parkinson's Levodopa induced dyskinesia and Adult ADHD. AMBS has an exclusive worldwide license to the Lymphocyte Proliferation test ("LymPro Test(R)") for Alzheimer's disease and owns the intellectual property rights to a therapeutic protein known as Mesencephalic-Astrocyte-derived Neurotrophic Factor ("MANF") and is developing MANF-based products as treatments for brain disorders. AMBS also owns intellectual property for the diagnosis of Parkinson's disease ("NuroPro") and the discovery of neurotrophic factors ("PhenoGuard"). Amaranthus operations are located at Janssen Labs @QB3 in San Francisco, CA. For further information please visit www.Amarantus.com, or connect with the Company on [Facebook](#), [LinkedIn](#), [Twitter](#) and [Google+](#).

Certain statements, other than purely historical information, including estimates, projections, statements relating to our business plans, objectives, and expected operating results, and the assumptions upon which those statements are based, are forward-looking statements." These forward-looking statements generally are identified by the words believes," project," expects," anticipates," estimates," intends," strategy," plan," may," will," would," will be," will continue," will likely result," and similar expressions. Forward-looking statements are based on current expectations and assumptions that are subject to risks and uncertainties which may cause actual results to differ materially from the forward-looking statements. Our ability to predict results or the actual effect of future plans or strategies is inherently uncertain. Factors which could have a material adverse effect on our operations and future prospects on a consolidated basis include, but are not limited to: changes in economic conditions, legislative/regulatory changes, availability of capital, interest rates, competition, and generally accepted accounting principles. These risks and uncertainties should also be considered in evaluating forward-looking statements and undue reliance should not be placed on such statements.

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