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Amarantus Subsidiary Elto Pharma Announces the Issuance of Patents in Singapore and New Zealand Covering Treatment of Parkinson's LID

- *Patents extend Eltoprazine Parkinson's disease LID treatment exclusivity into 2033*

SAN FRANCISCO, Dec. 08, 2017 (GLOBE NEWSWIRE) -- [Amarantus Bioscience Holdings, Inc.](#) (OTCPK:AMBS), a US-based biotechnology holding company with wholly-owned subsidiaries developing first-in-class orphan neurologic, regenerative medicine and ophthalmic therapies, today announced that its wholly-owned, neurology-focused subsidiary Elto Pharma, Inc. was granted patents in Singapore and New Zealand covering the therapeutic use of Eltoprazine for the treatment of motor symptoms associated with Parkinson's disease therapies. In New Zealand Patent No. 702730 was issued, and in Singapore Patent No. 11201408240T was issued. Both patents are titled "Treatment of Motor Symptoms and Movement Disorder Side Effects Associated with Parkinson's disease treatments," and are valid into 2033.

Elto Pharma is currently redesigning its Phase 2b clinical study for Eltoprazine in the treatment of Parkinson's disease Levodopa-induced dyskinesia (PD-LID), targeted to begin enrollment in 2018. Eltoprazine has received Orphan Drug Designation from the US FDA for Eltoprazine in the treatment of PD-LID.

About Amaranthus Bioscience Holdings, Inc.

Amarantus Bioscience Holdings (AMBS) is a biotechnology company developing treatments and diagnostics for diseases in the areas of neurology, regenerative medicine and orphan diseases through its subsidiaries. AMBS' wholly-owned subsidiary **Elto Pharma, Inc.** has development rights to eltoprazine, a Phase 2b-ready small molecule indicated for Parkinson's disease levodopa-induced dyskinesia, Alzheimer's aggression and adult ADHD. AMBS acquired the rights to the Engineered Skin Substitute program (ESS), a regenerative medicine-based approach for treating severe burns with full-thickness autologous skin grown in tissue culture that is being pursued by AMBS' wholly-owned subsidiary **Cutanogen Corporation**. AMBS' wholly-owned subsidiary MANF Therapeutics, Inc. owns key intellectual property rights and licenses from a number of prominent universities related to the development of the therapeutic protein known as mesencephalic astrocyte-derived neurotrophic factor (MANF). **MANF Therapeutics, Inc.** is developing MANF-based products as treatments for brain and ophthalmic disorders. MANF was discovered by the Company's Chief Scientific Officer John Commissiong, PhD. Dr. Commissiong discovered MANF from AMBS' proprietary discovery engine PhenoGuard. AMBS also owns approximately 80 million shares of Avant Diagnostics, Inc. via the sale of its wholly-owned subsidiary Amaranthus

Diagnostics, Inc. that occurred in May 2016.

For further information please visit www.Amarantus.com, or connect with the Amaranthus on [Facebook](#), [LinkedIn](#), [Twitter](#) and [Google+](#).

About Elto Pharma, Inc.

Eltoprazine is a small molecule 5HT1A/1B partial agonist in clinical development for the treatment of Parkinson's disease levodopa-induced dyskinesia (PD-LID), Alzheimer's aggression and adult attention deficit hyperactivity disorder (adult ADHD). Eltoprazine has been evaluated in over 680 human subjects to date, and has a well-established safety profile, with statistically significant efficacy results across multiple central nervous system indications.

Eltoprazine was originally developed by Abbott Pharmaceuticals in aggression-related indications. The eltoprazine program was out-licensed to PsychoGenics, Inc. (PGI). PGI licensed eltoprazine to Amaranthus in 2014 after a successful proof-of-concept trial in PD-LID.

In April 2017, Amaranthus incorporated the wholly-owned subsidiary Elto Pharma, Inc. to focus on the clinical development of Eltoprazine.

Forward-Looking Statements

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.

Amarantus Investor and Media Contact:

Ascendant Partners, LLC

Richard Galterio

+1-732-410-9810

rich@ascendantpartnersllc.com

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