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BioRestorative Therapies Announces Research Collaboration with Professor Tore Bengtsson to Evaluate Heat Production of its ThermoStem® Program

MELVILLE, N.Y., March 10, 2022 (GLOBE NEWSWIRE) -- BioRestorative Therapies, Inc. (the "Company" or "BioRestorative") (NASDAQ: BRTX), a clinical stage company focused on stem cell-based therapies, today announced that it has entered into a research collaboration agreement with Dr. Tore Bengtsson, Professor of the Department of Molecular Biosciences, at the Wenner-Gren Institute, at Stockholm University.

The research is intended to advance the Company's understanding of the biology and role of brown fat tissue in the ability to produce heat. The proposed research involves studying BioRestorative's proprietary cell-lines, both primary adipose cells and brown adipocyte cells differentiated in culture, and their thermogenic response.

"We are excited to enter into this research collaboration with Professor Bengtsson's laboratory. Heat production is an important biological property of ThermoStem® and understanding its role may expand our platform technology." said Francisco Silva, the Company's Vice President of Research and Development.

Professor Bengtsson's laboratory has pioneered research on brown adipose biology and its impact on metabolic disease. He recently published a study (https://www.nature.com/articles/s42003-021-02639-4) demonstrating the use of isothermal microcalorimetry as a sensitive and accurate technique for measuring thermogenic responses in intact mature brite adipocytes.

Professor Bengtsson is also co-founder of Atrogi and Sigrid Therapeutics, two clinical stage companies. Atrogi is developing a novel small molecule for treating type 2 diabetes and Sigrid Therapeutics is developing engineered micron-sized silica particles designed to act locally in the gut to reduce blood sugar levels in people at risk of developing type 2 diabetes.

"Beneficial and substantial heat production is a unique property few cells are capable of generating. We look forward to understanding its role and impact on BioRestorative's ThermoStem® program," said Professor Bengtsson.

About BioRestorative Therapies, Inc.

BioRestorative Therapies, Inc. (www.biorestorative.com) develops therapeutic products using cell and tissue protocols, primarily involving adult stem cells. Our two core programs, as described below, relate to the treatment of disc/spine disease and metabolic disorders:

• Disc/Spine Program (brtxDISC™): Our lead cell therapy candidate, *BRTX-100,* is a product formulated from autologous (or a person's own) cultured mesenchymal stem cells collected from the patient's bone marrow. We intend that the product will be used for the non-surgical treatment of painful lumbosacral disc disorders or as a complementary therapeutic to a surgical procedure. The *BRTX-100* production process utilizes proprietary technology and involves collecting a patient's bone marrow, isolating and culturing stem cells from the bone marrow and cryopreserving the cells. In an outpatient procedure, *BRTX-100* is to be injected by a physician into the patient's damaged disc. The treatment is intended for patients whose pain has not been alleviated by non-invasive procedures and who potentially face the prospect of surgery. We have received authorization from the Food and Drug Administration to commence a Phase 2 clinical trial using *BRTX-100* to treat chronic lower back pain arising from degenerative disc disease.

• Metabolic Program (ThermoStem®): We are developing a cell-based therapy candidate to target obesity and metabolic disorders using brown adipose (fat) derived stem cells to generate brown adipose tissue ("BAT"). BAT is intended to mimic naturally occurring brown adipose depots that regulate metabolic homeostasis in humans. Initial preclinical research indicates that increased amounts of brown fat in animals may be responsible for additional caloric burning as well as reduced glucose and lipid levels. Researchers have found that people with higher levels of brown fat may have a reduced risk for obesity and diabetes.

Forward-Looking Statements

This press release contains "forward-looking statements" within the meaning of Section 27A of the Securities Act of 1933, as amended, and Section 21E of the Securities Exchange Act of 1934, as amended, and such forward-looking statements are made pursuant to the safe harbor provisions of the Private Securities Litigation Reform Act of 1995. You are cautioned that such statements are subject to a multitude of risks and uncertainties that could cause future circumstances, events or results to differ materially from those projected in the forward-looking statements as a result of various factors and other risks, including, without limitation, those set forth in the Company's latest Form 10-K filed with the Securities and Exchange Commission. You should consider these factors in evaluating the forward-looking statements included herein, and not place undue reliance on such statements. The forward-looking statements in this release are made as of the date hereof and the Company undertakes no obligation to update such statements.

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