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# BioRestorative Therapies Expands its ThermoStem® Program to 150 Stem Cell Lines

## Strengthens R & D Platform for the Development of Treatments for Metabolic Disorders and Obesity

JUPITER, Fla., June 24, 2013 /PRNewswire/ -- **BioRestorative Therapies, Inc. ("BRT" or the "Company") (OTC BB: BRTX)**, a life sciences company focused on stem cell-based therapeutics, announced that it has expanded its ThermoStem® Program by collecting 150 samples of human brown adipose tissue (BAT). For the past year, through strategic collaboration and internal BRT efforts, the Company has grown a large library of human brown fat stem cells. The ThermoStem® Program, which is in the pre-clinical stage, focuses on the development of therapies using adult derived stem cells from brown adipose tissue to treat metabolic and obesity related disorders (particularly focusing on Type 2 Diabetes). The compilation of a large number and variety of brown fat derived stem cells allows BRT to study and identify potential cell lines to be used in developing therapies.

Pre-clinical models indicate that increased amounts of brown fat in the body may be responsible for additional caloric burning as well as reduced glucose and lipid levels in the body. Many groups are using BAT as a tool to further understand the browning effect, wherein a small molecule or pharmaceutical potentially could be developed to treat obesity and its associated metabolic disorders. However, BioRestorative Therapies' novel cellular approach focuses on what appears to be BAT's innate ability to regulate metabolic homeostasis by using stem cells isolated from BAT.

Recent published reports have demonstrated that BAT is found in adults and can be routinely isolated. In addition to providing material needed to further advance BRTs pre-clinical models, BioRestorative Therapies' library of stem cells can also provide a valuable and unique resource in seeking to develop small molecules that activate brown fat and increase energy expenditure, a strategy for addressing both obesity and diabetes. The Company's ongoing cell characterizations, collected data, and stem cells represent a potential supply of necessary controls and variety of cells for pharmaceutical and other companies embarking on the small molecule drug development pathway.

Mark Weinreb, Chairman and CEO of BioRestorative Therapies, said, "To our knowledge, we have the largest library of human brown fat stem cell lines known, which represents an enormous research asset in working towards a therapy for metabolic disorders and obesity. Having a large collection of brown fat stem cell lines will be important to accelerate the development of our ThermoStem® Program. Such access also provides opportunities for collaboration and strategic partnerships, because this volume and variety of collections is

complementary to large pharmaceutical companies working on small molecule-based programs seeking to treat these disorders."

### **About BioRestorative Therapies, Inc.**

BioRestorative Therapies, Inc. ("BRT"), [www.biorestorative.com](http://www.biorestorative.com), develops medical procedures using cell and tissue protocols, primarily involving adult stem cells, designed for patients to undergo minimally invasive cellular-based treatments. BRT is developing the following scientific initiatives:

- **brtxDISC™ Program (Disc Implanted Stem Cells)**, a non-surgical treatment for bulging and herniated discs that addresses the gap between non-invasive and invasive back procedures. This research is still in the non-clinical, investigational stage.
- **ThermoStem® Program**, a treatment for metabolic disorders (diabetes, heart disease, etc.) and obesity using brown fat stem cells. Initial non-clinical research indicates that increased amounts of brown fat in the body may be responsible for additional caloric burning as well as reduced glucose and lipid levels in the body.
- **brtx-C Cosmetic Program**, based on the development of a human cellular extract that, per initial *in vitro* studies, when applied to human skin cells, appears to cause an increase in the production of collagen and fibronectin, which are proteins that are essential to combating the aging of skin. Potential cosmetic uses are being explored with third parties.

The Company also offers plant stem cell-based facial creams and beauty products under the **Stem Pearls®** brand at [www.stempearls.com](http://www.stempearls.com).

*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 those set forth in the Company's 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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