



Arcturus Therapeutics Announces Presentations at Conferences in November

October 26, 2017

SAN DIEGO, Oct. 26, 2017 (GLOBE NEWSWIRE) -- Arcturus Therapeutics, Inc., a leading RNA medicines company, announced today that it plans to present at three conferences in November 2017: the 5th International mRNA Health Conference (November 1-2) in Berlin, the 2017 North American Cystic Fibrosis Conference (November 2-4) in Indianapolis, and the NY/NJ CEO Conference (November 7-8) in New York. Details of these presentations are as follows:

5th International mRNA Health Conference

Title: LUNAR-mRNA for Protein Replacement Therapy
Date: Wednesday, November 1
Time: 12:25pm - 12:45pm Central European Time
Presenter: Christine Esau Ph.D., Director of Translational Biology, Arcturus Therapeutics
Session: mRNA Delivery & Design
Location: Sofitel Berlin Kurfürstendamm, Berlin, Germany
Event Website: <http://www.mrna-conference.com/>

Arcturus's LUNAR™ platform technology enables messenger RNA (mRNA) delivery to the liver, lung, and other target tissues. The company will present data demonstrating the therapeutic potential for LUNAR-mRNA in mouse models of hemophilia and OTC deficiency. The data show that repeat dosing of LUNAR-FIX mRNA restored FIX protein and corrected the clotting defect in FIX-deficient mice. LUNAR-OTC mRNA durably suppressed urinary orotate and prevented hyperammonemia after protein challenge in **spf^{ash}** mice. Next generation LUNAR lipids show increased potency while maintaining a favorable tolerability profile.

2017 North American Cystic Fibrosis Conference

Title: Proof of Concept Studies for LUNAR-CF, an mRNA Replacement Therapy for Cystic Fibrosis
Date: Thursday, November 2
Time: 11:15am - 1:45pm Eastern Time
Presenter: Samantha Murphy Ph.D., Associate Director of Business Development, Arcturus Therapeutics
Session: Poster Session I
Location: Indiana Convention Center, Indianapolis, Indiana
Event Website: www.nacconference.org/

Arcturus is working to develop an mRNA therapeutic for cystic fibrosis (CF) using its proprietary LUNAR drug delivery system. The technology is designed to cause the cells of the airway in CF patients to make a functional version of cystic fibrosis transmembrane conductance regulator (CFTR) protein. The company will present data from pre-clinical proof of concept studies demonstrating: 1) functional delivery of LUNAR-mRNA to mouse lung epithelial cells, 2) functional delivery of LUNAR-mRNA to polarized HBE cells grown at air liquid interface, 3) mRNA stability in CF patient sputum, and 4) supraphysiological CFTR protein expression in CFBE cells. These in vivo and in vitro proof-of-concept studies demonstrate the potential of the LUNAR-CF mRNA therapy for the treatment of cystic fibrosis in all patients, regardless of genotype.

NY/NJ CEO Conference

Title: Venture Financing: Innovative Deals & Partnerships (panel discussion)
Date: Wednesday, November 8
Time: 1:15 - 1:45pm Eastern Time
Presenter: Joseph Payne, President & CEO of Arcturus Therapeutics
Location: Apella at Alexandria Center, 450 East 29 Street New York, NY
Event Website: <https://bbbiotechconference.com/conference-details.php?id=63>

NY/NJ CEO is a networking forum for industry CEOs and decision makers in the life sciences. Joseph Payne, President & CEO of Arcturus, will take part in a panel discussion along with senior executives/partners from Merck Group, Hogan Lovells, SG3 Ventures, and ReNetX Bio. The panel will be moderated by Bob Silverman, J.D., Head of Externalized Drug Discovery Partnering at Roche.

About Arcturus Therapeutics, Inc.

Founded in 2013 and based in San Diego, Arcturus Therapeutics, Inc. is an RNA medicines company with enabling technologies — UNA Oligomer chemistry and LUNAR™ lipid-mediated delivery. Arcturus's versatile RNA therapeutics platforms can be applied toward multiple types of RNA

medicines including small interfering RNA, messenger RNA, antisense RNA, microRNA and gene editing therapeutics. The company owns LUNAR lipid-mediated delivery and Unlocked Nucleomonomer Agent (UNA) technology including UNA Oligomers, which are covered by its patent portfolio (120 patents and patent applications, issued in the U.S., Europe, Japan, China and other countries). Arcturus's proprietary UNA technology can be used to target individual genes in the human genome, as well as viral genes, and other species for therapeutic purposes. The company's commitment to the development of novel RNA therapeutics has led to partnerships with Janssen Pharmaceuticals, Inc., part of the Janssen Pharmaceutical Companies of Johnson & Johnson, Ultragenyx Pharmaceutical, Inc., Takeda Pharmaceutical Inc., and Cystic Fibrosis Foundation Therapeutics Inc. For more information, visit www.ArcturusRx.com, the content of which is not incorporated herein by reference.

On September 27, 2017, Arcturus and Alcobra Ltd. (Alcobra) (NASDAQ: [ADHD](#)) entered into an agreement and plan of merger and reorganization pursuant to which a wholly-owned subsidiary of Alcobra will merge with and into Arcturus, with Arcturus becoming a wholly-owned subsidiary of Alcobra and the surviving corporation of the merger, and the holders of Arcturus outstanding capital stock immediately prior to the merger will receive ordinary shares representing approximately 60% of the outstanding shares of Alcobra. Upon consummation of the transaction, Alcobra's name will be changed to Arcturus Therapeutics, Ltd., and Alcobra will change its ticker symbol to ARCT on NASDAQ.

Forward-looking Statements

This press release contains "forward-looking statements" that involve substantial risks and uncertainties for purposes of the safe harbor provided by the Private Securities Litigation Reform Act of 1995. All statements, other than statements of historical facts, included in this press release regarding strategy, future operations, prospects, plans and objectives of management are forward-looking statements. Examples of such statements include, but are not limited to, statements relating to expectations regarding future therapeutic and commercial potential of Arcturus's technologies and intellectual property; the structure, timing and completion of the proposed merger transaction; and the combined company's listing on NASDAQ after closing of the proposed merger. You should not place undue reliance on these forward-looking statements. Such statements are based on management's current expectations and involve risks and uncertainties. Actual results and performance could differ materially from those projected in the forward-looking statements as a result of many factors. Except as otherwise required by law, all parties disclaim any intention or obligation to update or revise any forward-looking statements, which speak only as of the date they were made, whether as a result of new information, future events or circumstances or otherwise.

Additional Information about the Proposed Merger involving Alcobra and Arcturus and Where to Find It

In connection with the previously disclosed proposed merger involving Alcobra and Arcturus, a proxy statement and a proxy card have been furnished to the Securities and Exchange Commission (SEC) and have been mailed to Alcobra's shareholders seeking any required shareholder approvals in connection with the proposed merger transactions. Before making any voting or investment decision, investors and shareholders are urged to read the proxy statement (including any amendments or supplements thereto) and any other relevant documents that Alcobra may furnish to or file with the SEC when they become available because they will contain important information about the proposed merger transactions.

This communication shall not constitute an offer to sell or the solicitation of an offer to sell or the solicitation of an offer to buy any securities, nor shall there be any sale of securities in any jurisdiction in which such offer, solicitation or sale would be unlawful prior to registration or qualification under the securities laws of any such jurisdiction.

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