April 23, 2019

UPDATE -- AIT Therapeutics to Demonstrate NO Generator and Delivery System at Pediatric Academic Societies Meeting in Baltimore, MD on April 27-30

GARDEN CITY, N.Y. and REHOVOT, Israel, April 23, 2019 (GLOBE NEWSWIRE) -- AIT Therapeutics, Inc. (OTCQB: AITB), a clinical-stage medical device and biopharmaceutical company focused on developing inhaled Nitric Oxide (NO) for the treatment of patients with respiratory conditions including serious lung infections and pulmonary hypertension, today announced that the Company will be exhibiting at the Pediatric Academic Societies (PAS) Annual meeting being held in Baltimore, MD on April 27-30, 2019. AIT will be exhibiting and demonstrating its NO Generator and Delivery System at booth # 951.

“We are excited to display AIT’s NO generator and delivery system to this astute group of medical professionals,” said Steven Lisi, Chairman and Chief Executive Officer of AIT Therapeutics. “We believe our NO generator and delivery system has the potential to fundamentally change the way patients are treated in the hospital setting, while improving the hospital cost structure and increasing safety for staff.”

About the Pediatric Academic Societies Meeting
The Pediatric Academic Societies (PAS) Meeting brings together thousands of pediatricians and other health care providers united by a common mission: improve the health and well-being of children worldwide. The international gathering includes researchers, academics, as well as clinical care providers and community practitioners. Presentations cover issues of interest to generalists as well as topics critical to a wide array of specialty and sub-specialty areas.

About AIT Therapeutics Inc.
AIT Therapeutics Inc. is a clinical-stage medical device and biopharmaceutical company using nitric oxide (NO) to treat respiratory and other diseases. The Company is currently applying its therapeutic expertise to treat lower respiratory tract infections that are not effectively addressed with current standards of care, as well as pulmonary hypertension, in various settings. AIT is currently advancing its revolutionary NO Generator and Delivery System in clinical trials for the treatment of bronchiolitis and severe lung infections such as nontuberculous mycobacteria (NTM). For more information, visit www.AIT-Pharm.com.

About Nitric Oxide (NO)
Nitric Oxide (NO) is a powerful molecule proven to play a critical role in a broad array of biological functions. In the airways, NO is believed to play a key role in the innate immune system at concentrations of approximately 200 ppm. In vitro studies suggest that NO possesses anti-microbial activity not only against common bacteria, both gram-positive and gram-negative, but also against other diverse organisms including mycobacteria, fungi,

yeast and parasites, and has the potential to eliminate multi-drug resistant strains.

About PPHN

Persistent pulmonary hypertension of the newborn (PPHN) is a lethal condition and a secondary to failure of normal circulatory transition at birth. It is a syndrome characterized by elevated pulmonary vascular resistance (PVR) that causes labile hypoxemia due to decreased pulmonary blood flow and right-to-left shunting of blood. Its incidence has been reported as 1.9 per 1000 live births (0.4–6.8/1000 live births) with mortality rate ranging between 4–33%. This syndrome complicates the course of about 10% of infants with respiratory failure and remains a source of considerable morbidity and mortality. NO gas is a vasodilator, is approved in dozens of countries to improve oxygenation and reduces the need for extracorporeal membrane oxygenation (EMO) in term and near-term (>34 weeks gestation) neonates with hypoxic respiratory failure associated with clinical or echocardiographic evidence of pulmonary hypertension in conjunction with ventilator support and other appropriate agents.

About the NO Generator and Delivery System

AIT's NO Generator and Delivery System is a cylinder-free, phasic flow nitric oxide delivery system and has been designated as a medical device by the US Food and Drug Administration (FDA). The ventilator compatible version of the device can generate NO on demand for delivery to the lungs at concentrations ranging from 1 part per million (ppm) to 80 ppm. The elimination of the need for large, high-pressure cylinders for NO is a significant advantage in the hospital setting by greatly reducing inventory and storage requirements and improving overall safety with the elimination of NO_2 purging steps, among other benefits. The system can also deliver NO at concentrations above 80 ppm for which intended treatments are bronchiolitis in the hospital setting and chronic, refractory lung infections in the home setting. For the first time, AIT intends to offer NO treatment in the home setting with the elimination of cylinders.

*** AIT's NO Generator and Delivery System is for investigational purposes only.**

About Bronchiolitis

The majority of hospital admissions of infants with bronchiolitis are caused by respiratory syncytial virus (RSV). RSV is a common and highly transmissible virus that infects the respiratory tract of most children before their second birthday. While most infants with RSV present with minor respiratory symptoms, a small percentage develop serious lower airway infections, termed bronchiolitis, which can become life-threatening. The absence of treatment options for bronchiolitis limits the care of these sick infants to largely supportive measures. AIT's system is designed to effectively deliver 160 ppm NO, which has been proven to eliminate bacteria, viruses, fungi and other microbes from the lungs.

About NTM

Nontuberculous mycobacteria (NTM) infection is a rare and serious condition causing debilitating pulmonary disease associated with increased morbidity and mortality. NTM is an emerging public health concern worldwide because of its multi-drug antibiotic resistance. Current treatment guidelines suggest a combination of multiple antibiotics delivered continually for as long as two years. These complex, expensive and invasive regimens have a poor record in the treatment of *Mycobacterium abscessus complex* (MABSC) and refractory *Mycobacterium avium complex* (MAC) while causing severe adverse events. AIT's

system is designed to effectively deliver 160 - 400 ppm NO to the lung. This range of NO concentration has been demonstrated to eliminate bacteria, viruses, fungi and other microbes from the lungs and may work against antibiotic resistant bacteria.

Forward-Looking Statement

This press release contains "forward-looking statements." Forward-looking statements include statements about our expectations, beliefs, or intentions regarding our product offerings, business, financial condition, results of operations, strategies or prospects. You can identify such forward-looking statements by the words "expects," "intends," "plans," "projects," "believes," "estimates," "likely," "goal," "assumes," "targets" and similar expressions and/or the use of future tense or conditional constructions (such as "will," "may," "could," "should" and the like) and by the fact that these statements do not relate strictly to historical or current matters. Rather, forward-looking statements relate to anticipated or expected events, activities, trends or results as of the date they are made. Because forward-looking statements relate to matters that have not yet occurred, these statements are inherently subject to risks and uncertainties that could cause our actual results to differ materially from any future results expressed or implied by the forward-looking statements. These forward-looking statements are only predictions and reflect our views as of the date they are made with respect to future events and financial performance. Many factors could cause our actual activities or results to differ materially from the activities and results anticipated in forward-looking statements, including risks related to: our approach to discover and develop novel drugs, which is unproven and may never lead to marketable products; our ability to fund and the results of further pre-clinical and clinical trials; obtaining, maintaining and protecting intellectual property utilized by our products; our ability to enforce our patents against infringers and to defend our patent portfolio against challenges from third parties; our ability to obtain additional funding to support our business activities; our dependence on third parties for development, manufacture, marketing, sales, and distribution of products; the successful development of our product candidates, all of which are in early stages of development; obtaining regulatory approval for products; competition from others using technology similar to ours and others developing products for similar uses; our dependence on collaborators; and our short operating history. We undertake no obligation to update, and we do not have a policy of updating or revising, these forward-looking statements, except as required by applicable law.

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