INDIANA UNIVERSITY RECEIVES MTEC AWARD TO TEST INFECTION-RESISTANT WOUND DRESSINGS

Charleston, SC – In partnership with the U.S. Army Medical Research and Materiel Command (USAMRMC), the Medical Technology Enterprise Consortium (MTEC) is pleased to announce that Indiana University has been awarded funds to conduct preclinical testing of optimized electroceutical dressing technology (EDT).

Military conflicts expose service members to injuries and subsequent risk of infection, particularly from the dangers posed by drug-resistant infectants. However, the use of EDT could eliminate mixed species, multi-drug resistant bacteria, significantly reducing the risk of infection, shortening recovery time, and improving recovery results for injured service members.

MTEC awarded project funding in the amount of $200,000 to Indiana University to conduct in vitro testing of EDT on drug-resistant infections in a porcine burn model. The project team will evaluate the effectiveness of the EDT as compared to the current standard of care for infected wounds. As a result of these preclinical evaluations, EDT could advance to FDA evaluation and clinical testing.

Lester Martinez, MD, MPH, Major General (Retired), U.S. Army, President and Chairman of MTEC Board congratulated Indiana University on the award: “MTEC is honored to support Indiana University’s critical work to prevent and treat wound infections through EDT. Their efforts could significantly improve the safety and recovery outcomes for America’s Soldiers, Sailors, Airmen, and Marines.”

This project was issued under MTEC’s Request for Project Proposals (RPP) for Prototype Acceleration. The Prototype Acceleration Award mechanism focuses on advancing novel prototype technologies into the next major stage of development within a 12 month period of performance. Examples of funded activities include, but are not limited to advanced animal testing, regulatory filing, manufacturing, preparing for the next clinical trial, regulatory approval, etc. This RPP focused on military medical unmet needs related to wound care and regenerative medicine, such as platforms for the delivery of anti-infectives using bandages.

The Medical Technology Enterprise Consortium (MTEC) is a 501(c)(3) nonprofit that serves those who serve our nation. Over the last decades, our warfighters have suffered devastating trauma. In partnership with the Department of Defense and private support, MTEC is working to prevent injuries and accelerate the development of revolutionary medical solutions that will enhance wound healing, and return the wounded to fully functioning lives. Ultimately, all citizens will benefit from these technologies and health care solutions. To find out more about MTEC, visit mtec-sc.org.