

iFyber Receives Small Business Technology Transfer Grant

US Navy Funds New Approaches to Wound Management

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iFyber™, an Ithaca NY firm developing functional textiles, announced that it has been awarded a \$70,000 Phase-I Small Business Technology Transfer (STTR) grant from the U.S. Navy for continuing development of its custom nanotechnology-based processing of textiles.

Funding was awarded for a project entitled “Nanoparticle-based Wound Care for Antibiotic Resistant Pathogens.” The relentless proliferation of antibiotic-resistant bacteria, which cause nearly 1.7 million civilian hospital acquired infections and 99,000 deaths per year, represents a huge safety concern and cost burden for all branches of the military. The Phase-I Grant funds work to develop robust antibacterial topical treatments and preventative solutions. The technology is also expected to provide novel, generic solutions to the problem of managing serious bacterial infections.

Commenting on the award, Dr. Aaron Strickland, Director of Research & Development and the project’s principal investigator, noted that “functional textile coatings represent an important component in the development of smart materials to combat antibacterial infections and antibiotic resistance. Combining nanomaterials with textile fibers addresses the problem of wound management by focusing on metal nanoparticle (NP)-based antibacterial dressings and sutures.”

“iFyber’s technology represents a novel approach to managing serious combat-related infections” said Tony Eisenhut, Interim President of iFyber. “Funding from the

Navy allows iFyber to advance the commercialization of our company's smart textiles for this very critical function."

The objectives of the STTR program, which was established in 1982, are to stimulate technological innovation, while strengthening the role of small businesses in meeting Federal R&D needs.

About iFyber™: iFyber is a company that develops, licenses, and sells custom technologies for functionalizing textiles. These revolutionary technologies include a variety of high-value applications that transform ordinary textiles into products that enhance comfort, health and safety.