



For Immediate Release

iFyber Scientists Publish Research on Antimicrobial Coatings in Leading Scientific Journal

Ithaca, NY, May 31, 2011--- iFyber researchers have published an article in the peer-reviewed journal *Advanced Functional Materials* that reports the antimicrobial characteristics of copper coatings on fiber substrates designed for wound care products. The paper represents collaborative research between scientists at iFyber and the College of Nanoscale Science and Engineering at the University of Albany. An abstract of the paper can be viewed on-line at <http://onlinelibrary.wiley.com/doi/10.1002/adfm.201100123/abstract>)

Aaron Strickland, PhD, iFyber Vice President of Research and Development, co-authored the paper with Professor Nate Cady, PhD and Jason Behnke of the College of Nanoscale Science & Engineering (CNSE) at SUNY-Albany. The paper focused on unique findings associated with nanoscale copper coatings and their ability to provide antimicrobial functionality without adversely affecting the growth of mammalian cells *in vitro*. In addition, comparative testing of copper vs. silver antimicrobial coatings demonstrated that the unique copper-based coatings presented in the paper exhibited greater antimicrobial efficacy and a higher degree of biocompatibility. "These findings are very important in light of the fact that silver is a well-known and accepted antimicrobial agent used in wound care," said Prof. Cady of CNSE.

"iFyber is pleased to collaborate with researchers at CNSE," said Dr. Strickland. "We are currently applying knowledge gained in these studies to coat other substrates and to expand on our understanding of the unique functional characteristics of copper-based coatings for the development of antimicrobial solutions in wound care." Eric Eisenhut, President of iFyber, further noted, "the findings of our work on cotton substrates, combined with our National Science Foundation funded work with extra cellular matrices, form a strong foundation for iFyber in the wound care market."

About iFyber, LLC: iFyber, LLC is a materials science company advancing coating technologies used to functionalize natural and synthetic fibers in the industrial, medical, military and consumer markets. iFyber's technology enables the deposition of conformal, nanoparticle coatings on both flat and curved surfaces using a unique layer-by-layer assembly process. The process provides for the ability to control particle size and interparticle spacing which in turn allows iFyber to impart a remarkable array of custom properties to treated fibrous materials. Custom properties include electrical conductivity, self-cleaning, anti-microbial action, and authentication technology.