

Spectral MD Chief Scientist Wins 2015 Burke/Yannas Bioengineering Best Paper Award at American Burn Association Meeting

Chicago, IL, April 24, 2015 – Spectral MD™, a medical device imaging company, announces that Jeffrey Thatcher, Ph.D., Chief Scientist at the company, has been awarded the Burke/Yannas Bioengineering Best Paper Award at the 47th Annual Meeting of the American Burn Association (ABA). Dr. Thatcher was awarded the prize as the first author of the manuscript entitled, “Multispectral and photoplethysmography optical imaging techniques identify important tissue characteristics in an animal model of tangential burn excision,” which he co-authored with several other scientists and engineers at Spectral MD.

The findings reported in the manuscript detail the results of experiments conducted by Spectral MD using its novel DeepView™ medical imaging technology. Using DeepView™ imaging techniques, Thatcher and colleagues were able to non-invasively distinguish burn tissue from the viable wound bed during tangential burn excision procedures completed using an animal model.

The Burke/Yannas Best Bioengineering Best Paper Award recognizes original research in the field of bioengineering. The award recognized the significant efforts of Dr. John F. Burke and Dr. Ioannis V. Yannas, who were both instrumental in the development of the first artificial skin. The award is supported by a grant from the Integra Foundation. Traditionally, the winning manuscript is published in the January/February issue of the *Journal of Burn Care & Research* in year following the ABA meeting.

DeepView™ is a portable device that produces images by extracting physiologic information from the interaction of light with the body. This digital analysis of optical signatures allows clinicians to look deeper into the body by delivering images of blood-flow and classifying various types of tissue present under the skin’s surface without ever touching the patient. Spectral MD’s imaging solution is a non-invasive technology, uses no harmful radiation, and allows for access to patients in most care environments due to its flexible portability.

Integrating the DeepView™ technology into a multitude of care facilities, including specialized burn centers throughout the United States, will produce a substantial benefit to the healthcare sector by dramatically reducing the overall cost to government and private insurers when treating burn victims as well as patients with a variety of other wound types. Burn victims undergoing surgical debridement of their wounds stand to benefit from DeepView™ technology that has the potential to increase the success of skin grafting by assisting surgeons in the removal of dead or damaged skin while leaving any healthy skin tissue intact.

Spectral MD is a recipient of a 5-year, \$14 million contract with the Biomedical Advanced Research and Development Authority, a division of the Department of Health and Human Services. The contract will support Spectral MD’s continued development of the DeepView™ technology in order to improve the nation’s preparedness for a variety of emergencies.

About Spectral MD™

Spectral MD is a high technology systems company founded to make fundamental contributions to the improvement of healthcare delivery, operations, and patient outcomes. Spectral MD's solutions bring together advanced optical imaging systems with machine learning algorithms to enable physiologically-based patient imaging systems. For more information about Spectral MD and its team, please visit the website at www.spectralmd.com.

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