

Micro Probe, Inc. Awarded NIH SBIR (Small Business Innovation Research) Phase II Grant for an Implantable Wireless Floating Microelectrode Array (WFMA) System

Gaithersburg, MD USA- (July 1, 2008) - Micro Probe Inc., a leading global provider of implantable neural microelectrodes and multi-channel arrays, today announced the award of a Phase II Small Business Innovation Research (SBIR) grant from the U.S. National Institutes of Health (NIH). The grant will support the design and development of an implantable Floating Microelectrode Array with Active Integrated Circuits, or Active Floating Microelectrode Array (AFMA).

“The commercialization of the AFMA will provide the neuroscience community with a valuable new tool for stable long-term neural recording and stimulation protocols,” said Martin Bak, CEO and Founder of Micro Probe, Inc. “The AFMA utilizes multiplexing technology along with a head connector and a minimal 4-wire cable, regardless of the number of electrode channels required for its application,” he added.

The design of the AFMA forms the basis for development of the Wireless Floating Microelectrode Array (WFMA) system, which will eliminate the need for potentially restrictive head connectors and cables. The WFMA will be capable of transmitting and receiving multiplexed data through the skin, between implanted microelectrodes and nearby recording and stimulation control consoles. Unlike older wireless products, the WFMA is completely implanted.

The development of this next-generation technology, also funded by the SBIR Phase II grant, will surely prove to be an innovative resource for pre-clinical research, and eventually clinical trials, associated with the ground-breaking design of motor and sensory prosthesis for people with paralysis and visual disorders.

About Micro Probe, Inc.:

Micro Probe, Inc. is a leading global provider of implantable neural microelectrodes and multi-channel arrays, and related systems. With over 25 years of experience in microelectrode design and fabrication, Micro Probe has the expertise to provide unparalleled technical support and customization for any application. Micro Probe boasts an extensive list of satisfied customers, ranging from university-affiliated and independent research facilities to Fortune 500 pharmaceutical and medical device companies.