

SOURCE: Microprobes for Life Sciences



October 10, 2012 11:00 ET

Microprobes for Life Sciences Forges Strategic Alliance With Tohoku-MicroTec Co., Ltd to Offer Multichannel Silicon Neural Interfaces

GAITHERSBURG, MD--(Marketwire - Oct 10, 2012) - [Microprobes for Life Sciences](#), a leading provider of electrode systems, and [Tohoku-MicroTec](#), a leading Japanese company in the 3D-stacked LSI technology, have signed a strategic alliance for developing and carrying out research on state of the art MEMS based neural interfaces. Our novel product family, called "**Micro-B**", intends to offer alternatives for multichannel cortical and deep brain recordings, stimulation, local drug delivery and optogenetic studies.

Based on the precisely controlled electrical and geometrical characteristics of our probes and their carefully designed mechanical properties, their usage lead to highly reproducible and high quality experiments.

Our first designs include 8, 16 and 32 channel acute laminar probes with 1 cm long shanks and 100 μm site spacing. Researchers will have the opportunity to check out the Micro-B 8LP, Micro-B 16LP and the Micro-B 32LP at the Society for Neuroscience Conference 2012 in New Orleans at Booth # 1732.

MLS will rapidly extend our current product family with additional products and also ready to fulfill researchers' individual experimental needs with custom silicon probes, which best fit to their requirements.

Please learn more about our neural interface devices at www.microprobes.com

About Microprobes for Life Sciences

Microprobes for Life Sciences (MLS) is a global leader in implantable Neural Microelectrodes, Multichannel Arrays, EMG and Nerve Cuff Electrodes. Our customized and individually designed products are used in an extended group of animal models from birds to non-human primates. MLS products are capable to achieve the highest neural recording and stimulation qualities, deliver drugs locally to various areas of the nervous system and incorporates solutions for optogenetic studies. We have 28 years of experience in serving the global neuroscience community and providing products of exceptional quality while focusing on individual technical needs and customer support.

About Tohoku-MicroTec

Tohoku-MicroTec Co., Ltd. (T-Micro) is a unique and leading 3D IC & MEMS process-oriented company, utilizing the next generation process & manufacturing technology for developing neural interfaces and other bioelectronics products for the Neuroscience community. The company's fabrication facility satisfies the highest standards and due to their unique micro fabrication technologies not only delicate acute and chronically implantable cortical interfaces but more robust multichannel deep brainprobes, three-dimensional recording/stimulating arrays can be fabricated. Together with MLS T-micro continues to carry out research on cutting edge neural devices.