Press release

The two pioneers in manufacturing and developing tDCS devices are working closer together

New York, Ilmenau, Cardiff, November 10th,2011

New York based company SOTERIX MEDICAL and Germany based company neuroConn have agreed to form a cooperation on development, production and sales of a new research product for transcranial direct current stimulation.

Transcranial direct current stimulation (tDCS) provides a noninvasive tool for brain research to elicit neuromodulation by delivering current through electrodes placed on the scalp. Present clinical paradigms using two relatively large electrodes to inject current through the head result in electric fields that are broadly distributed over large regions of the brain.

Based on neuroConn's newly developed multichannel constant current stimulator and SOTERIX MEDICAL's software for optimized high-definition (HD) stimulation (based on technology developed at the City University of New York [1]), the newly formed state-of-the-art product allows an extension of current research areas to improve existing protocols for clinical research on tDCS in depression, stroke or pain. Multiple small electrodes are being used and the applied currents are systematically optimized to achieve effective and targeted stimulation while ensuring safety of stimulation.

The neuroConn DC-STIMULATOR MC running SOTERIX MEDICAL multi-electrode stimulation software and high-definition electrodes will be exhibited during the upcoming largest Neuroscience conference of the year in Washington by end of this week.

Rogue Resolutions (Cardiff, UK) will coordinate international sales for the new product. Please visit us at Rogue Resolutions booth #312 during the annual meeting of the Society for Neuroscience in Washington.

Literature

[1] Jacek P. Dmochowski, Abhishek Datta, Marom Bikson, Yuzhuo Su, and Lucas C. Parra, "Optimized Multi-Electrode Stimulation Increases Focality and Intensity at Target", Journal of Neural Engineering, 8(4), August 2011. [Read article]

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