Neural Prosthesis Seminar

March 13, 2009
8:00 AM to 9:00 AM
Biomedical Research Building - BRB 105
Case Western Reserve University

Can the damaged brain be "primed" by transcranial magnetic stimulation?

Lara Boyd, Ph.D., P.T.

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Abstract
Motor learning requires large amounts of practice and this is particularly true after brain damage. It is possible that preparing the brain to learn, via direct excitatory stimulation, might facilitate the acquisition of new motor skills and speed recovery after brain damage. Dr. Boyd's lab is actively exploring whether transcranial magnetic stimulation might prepare the brain to learn and when paired with rehabilitation, speed recovery of function after stroke. She will discuss her findings as well as present some of the pitfalls of this approach.

Hosted by:

Janis J. Daly, Ph.D., M.S.
Director, Cognitive and Motor Learning Laboratory
Associate Director, DVA FES Center of Excellence
LS Cleveland VA Medical Center.
Department of Neurology, Associate Professor,
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This seminar is sponsored by the FES & APT Center along with the Dept. of Neurology (Grand Rounds) - For more information, please contact Cathy Walker at 216-707-6490

The Cleveland FES Center is a consortium in Functional Electrical Stimulation technology including the Louis Stokes Cleveland VAMC, Case Western Reserve University, and the MetroHealth Medical Center