



Neural Prosthesis Seminar

"Interfacing with the Peripheral Nervous System to Detect Movement Intent"

January 21, 2011 • 8:30 AM Biomedical Research Building • BRB 105 Case Western Reserve University



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Abstract:

Neural engineers have made significant breakthrough in several areas such as the brain machine interface for locked-in patients, the retinal prosthesis for blind patients and deep brain stimulation for Parkinson's patients. In this presentation I will focus on neural interfacing with the peripheral nervous system. In particular, I will present the development of an electrode capable of selective fascicle recording. The recorded signals can then be processed to detect of the intent of the patient and applied to the control of prosthetics devices such as artificial limbs in patients with amputation or stroke.

For more information, please contact Cathy Naples at (216) 707-6490.

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