Neural Prosthesis Seminar Series

2015-2016
The Neural Prosthesis Seminar Series debuted in 1988. Since its debut, this Series has sponsored numerous distinguished Clinicians and Scientists, working in areas that include functional neuromuscular & electrical stimulation, cortical prosthesis, neuromodulation, brain computer & machine interfaces, simulation & modeling, and other related areas.

The Neural Prosthesis Seminar Series is a public educational forum with prominent speakers active in all areas of FES related research. The series brings together researchers, scientists, clinicians and students in the Greater Cleveland Research Community to encourage the exchange of scientific information on global emerging neuromodulation and neurostimulation topics.

The Neural Prosthesis Seminar Series is hosted by the Cleveland FES Center in partnership with our co-sponsors.
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Date    Speaker                  Time    Location                                      Seminar Co-Sponsor
09/18/2015 David J Reinkensmeyer, PhD      8:30 AM  Biomedical Research Building 105 CWRU                     Center for Physical Medicine & Rehabilitation | MetroHealth Medical Center
10/22/2015 D Michael Ackermann, PhD        8:00 AM  Tinkham Veale Senior Classroom 134 CWRU                  Center for Neurological Restoration | Cleveland Clinic
11/13/2015 Polina Anikeeva, PhD            8:30 AM  Biomedical Research Building 105 CWRU                     APT Center | VA Rehabilitation Research & Development (R&R&D) Service
12/18/2015 Lena Ting, PhD                 8:30 AM  Biomedical Research Building 105 CWRU                     Department of Biology | Case Western Reserve University
01/15/2016 Jerry Silver, PhD             8:30 AM  Biomedical Research Building 105 CWRU                     Department of Neurosciences | Case Western Reserve University
02/19/2016 Elias Veizi, MD, PhD            8:30 AM  Biomedical Research Building 105 CWRU                     Pain Medicine & Spine Care | Louis Stokes Cleveland VA Medical Center
03/18/2016 Industry Round Table           8:30 AM  Wolstein Research Building, Rm 1413 CWRU                           Great Lakes Neurotechnologies, Neuros Medical Inc., SPR Therapeutics, Synapse Biomedical Inc.
04/22/2016 Distinguished Lecture: Geoffrey Ling, MD, PhD, Col. (Ret.)    8:30 AM  Wolstein Research Building, Rm 1413 CWRU                           Neurological Institute | University Hospitals
05/13/2016 Edward F Chang, MD              8:30 AM  Biomedical Research Building 105 CWRU                     Neurological Institute | University Hospitals

David J Reinkensmeyer, PhD
Dr. David J Reinkensmeyer is a Professor of Anatomy & Neurobiology, Mechanical & Aerospace Engineering, Biomedical Engineering, and Physical Medicine & Rehabilitation at the University of California, Irvine. Dr. Reinkensmeyer’s research focuses on neuromuscular control, motor learning, robotics, and rehabilitation. A primary goal of his research is to create physically interacting robotic and mechatronic devices to help recover arm, hand, and leg movement ability.

Lena Ting, PhD
Dr. Lena Ting is a Wallace H. Coulter Professor, Department of Biomedical Engineering at Emory University and Georgia Institute of Technology. Her research is centered on the neuromechanics of human & animal movement, interactions between biomechanics and neural control of balance and locomotion, and musculoskeletal modeling and dynamic simulation of movement.

D Michael Ackermann, PhD
Dr. D Michael Ackermann is the founder and President of Oculeve Incorporated, which was founded from the Stanford University Biodesign Program in 2012. The company developed a novel neuromodulation therapy for dry eye disease. In addition to his work in Ophthalmology, Dr. Ackermann has done work involving chronic pain & movement disorders.

Jerry Silver, PhD
Dr. Jerry Silver, a Professor in the Department of Neurosciences at Case Western Reserve University, has spent decades investigating methods to restore function for those suffering from spinal cord injuries. Dr. Silver’s ultimate goal is to understand the basic biology underlying axonal dieback and regeneration failure in the adult spinal cord, and to use this information to overcome lack of regeneration after incomplete and complete spinal cord injury, promoting functional repair.

Elias Veizi, MD, PhD
Dr. Elias Veizi is a Pain Physician at the Louis Stokes Cleveland VA Medical Center, and an Assistant Professor in the Department of Anesthesiology in Pain Medicine at Case Western Reserve University. His clinical and research interests include neuropathic and intractable pain of somatic and visceral origin and development of novel treatments using neuromodulation including electrical and intrathecal drug infusion via implantable devices.

Edward F Chang, MD
Dr. Edward F Chang is an Associate Professor in Residence of Neurological Surgery and Physiology at UCSF, and the Co-Director of the Center for Neural Engineering at University of California, Berkeley and San Francisco. He specializes in surgical therapies for intractable epilepsy, trigeminal neuralgia, pain, hemifacial spasm, and adult brain tumors. His work involves advanced neurophysiological brain mapping methods in order to safely perform neurosurgical procedures.

Polina Anikeeva, PhD
Dr. Polina Anikeeva, an Assistant Professor of Materials Science & Engineering at Massachusetts Institute of Technology, is investigating the development of novel non-invasive methods for in vivo neural stimulation and design of opto-electronic devices for simultaneous recording and stimulation of neural circuits. Dr. Anikeeva’s long-term goal is to bridge the gap between laboratory and clinical neuroscience research by developing hybrid functional materials and devices for clinical applications.

Industry Round Table
Great Lakes Neurotechnologies Neuros Medical Inc. SPR Therapeutics Synapse Biomedical Inc.

CME Accreditation/Designation Statement
The MetroHealth System is accredited by the Ohio State Medical Association to provide continuing medical education for physicians. Physicians should only claim credit commensurate with the extent of their participation in the activity.
Please visit FEScenter.org/seminar for schedule changes prior to each event.
The Cleveland FES Center was established through the US Department of Veteran's Affairs, Office of Rehabilitation Research & Development Service in 1991. The FES Center, a consortium in neuromodulation and neurostimulation includes the Louis Stokes Cleveland VA Medical Center, Case Western Reserve University, MetroHealth Medical Center and University Hospitals of Cleveland.

The focus of the Cleveland FES Center is to improve people’s lives by supporting fundamental research in the neuromuscular sciences, developing new technologies and methods, performing clinical evaluation and feasibility testing, and promoting the widespread deployment of new technologies through professional education and commercial partnerships.