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Neural Prosthesis Seminar Series

Fall 2018

Neural Prosthesis Seminar Series

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 and electrical stimulation, neuromodulation, brain computer interfaces (BCI), pain mechanisms and blocking, simulation & modeling, autonomic system, traumatic brain injury (TBI), and other related areas.

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

The Neural Prosthesis Seminar Series is sponsored by the Cleveland FES Center in partnership with our co-hosts.

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Fall 2018 Neural Prosthesis Seminar Series

September 21

Friday, 8:30 am
Mandel Center for Nonprofits | Room 115

Daniel Rizzuto, PhD

Dan Rizzuto, PhD is the Chief Executive Officer and founder of Nia Therapeutics. He is developing brain stimulation therapies for patients with memory disorders as a part of the DARPA Restoring Active Memory (RAM) project. He completed his doctorate in systems neuroscience and human memory at Brandeis University, his postdoctoral training in brain-machine interfaces at Caltech, and was the recipient of the 2015 Neurotechnology Researcher of the Year award from Neurotech Reports.

Co-hosted by:

Case-Coulter Translational Research Partnership
Case Western Reserve University

October 19

Friday, 8:30 am
Wolstein Research Building | Room 1413

Christos Davatzikos, PhD

Christis Davatzikos, PhD is a Wallace T. Miller Sr., Professor of Radiology at the University of Pennsylvania School of Medicine. As Director of the Section of Biomedical Image Analysis, Dr. Davatzikos is interested in many areas related to medical image analysis and computing, including image segmentation and registration, multiparametric image analysis, as well as the use of machine learning and pattern recognition in medical imaging. His group is affiliated with many clinical studies employing imaging as a biomarker of diseases such as Alzheimer's, schizophrenia, diabetes, and cancer.

Co-hosted by:

School of Medicine
Case Western Reserve University

November 16

Friday, 8:30 am
Wolstein Research Building | Room 1413

Nanthia Suthana, PhD

Nanthia Suthana, PhD is an Assistant Professor-in-Residence in the Department of Neurosurgery at the David Geffen School of Medicine, UCLA. Dr. Suthana's primary research focus is on the neural basis of human learning and memory. She combines single-neuron and local field potential recordings with deep brain stimulation and high-resolution structural and functional magnetic resonance imaging (MRI). Dr. Suthana's current research focuses on development of invasive and non-invasive methodologies that can restore cognitive functions such as learning and memory.

Co-hosted by:

University Hospitals
Neurological Institute

December 7

Friday, 8:30 am
Wolstein Research Building | Room 1413

Mark Griswold, PhD

Mark Griswold, PhD is a professor of radiology in the School of Medicine, an associate professor of biomedical engineering in the Case School of Engineering, and a member of the Cancer Imaging Program in the Case Comprehensive Cancer Center at Case Western Reserve University. Dr. Griswold's research is in the areas of biomedical imaging, electrical engineering, physics and computer science. He co-led the team developing and refining magnetic resonance fingerprinting; a clinical diagnostic imaging tool that analyzes tissue changes for early indications of cancer, multiple sclerosis, heart disease, and other serious medical conditions.

Co-hosted by:

Department of Biomedical Engineering
Case Western Reserve University

Live stream lectures at www.FEScenter.org/Seminar

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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, University Hospitals of Cleveland, and the Cleveland Clinic Neurological Institute.

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.

(216) 231-3257 | info@FEScenter.org

Veterans Health Administration Research & Development

Case Western Reserve University

MetroHealth

University Hospitals

Cleveland Clinic

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MOVEMENT RESTORATION

AUTONOMIC SYSTEM

BRAIN HEALTH

PAIN

TOOLS & TECHNOLOGY

Co-hosts

Biomedical Engineering, Case School of Engineering

Biomedical Engineering, School of Medicine

Neurological Institute

Case-Coulter Translational Research Partnership

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