cleveland FES center

Neural Prosthesis Seminar Series

2017-18

Neural Prosthesis Seminar Series

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Aug 23	**Marmar Vaseghi, MD, PhD** 3:00 pm, CWRU Wolstein Research Building, Room 1413
Sep 15	**Robert Turner, PhD** 8:30 am, CWRU Nord Hall, Room 400
Oct 20	**James Patton, PhD** 8:30 am, CWRU Biomedical Research Building, Room 105
Nov 3	**Sherif Elbasiouny, PhD, PE, PEng** 8:30 am, CWRU Biomedical Research Building, Room 105
Dec 8	**Parag Patil, MD, PhD** 8:30 am, CWRU Wolstein Research Building, Room 1413
Jan 19	**Aaron Batista, PhD** 8:30 am, CWRU Wolstein Research Building, Room 1413
Feb 16	**Julius Dewald, PhD** 8:30 am, CWRU Wolstein Research Building, Room 1413
Mar 16	**Dominique Durand, PhD** 8:30 am, CWRU Wolstein Research Building, Room 1413
Apr 13	**Sliman Bensmaia, PhD** 8:30 am, CWRU Biomedical Research Building, Room 105
May 18	**Industry Round Table** 8:30 am, CWRU Wolstein Research Building, Room 1413

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Neural Prosthesis Seminar Series

2017 - 2018

August 23

Wednesday, 3:00 pm

CWRU Wolstein Research Building, Rm 1413

Marmar Vaseghi, MD, PhD

Marmar Vaseghi, MD, PhD is an associate professor of medicine, and director of clinical and translational research at the David Geffen School of Medicine, University of California, Los Angeles (UCLA) Cardiac Arrhythmia Center. Dr. Vaseghi specializes in heart rhythm disorders and catheter ablation for atrial fibrillation, ventricular tachycardia, and other supraventricular arrhythmias.

Co-hosted by:
School of Medicine
Case Western Reserve University

Case Western Reserve University EST. 1826

September 15

Friday, 8:30 am

CWRU Nord Hall, Room 400

Robert Turner, PhD

Robert Turner, PhD is a professor in the department of neurobiology and Center for the Neural Basis of Cognition at the University of Pittsburgh. His research focuses on three primary subjects: the functions basal ganglia subserve in a healthy brain, pathophysiologic processes underlying the signs of basal ganglia-related disorders, and how deep brain stimulation works to alleviate symptoms in neurological movement disorders.

Co-hosted by:
Center for Neurological Restoration
Cleveland Clinic

Cleveland Clinic

October 20

Friday, 8:30 am

CWRU Biomedical Research Building, Rm 105

James Patton, PhD

James Patton, PhD is a professor of bioengineering, and adjunct professor in computer science at the University of Illinois in Chicago. He is also a senior research scientist at the Rehabilitation Institute of Chicago. Dr. Patton's research focuses on how robotic interactions can be used to improve reaching performance. His methods involve dynamic modeling, optimization, robotics, and adaptive control. Applications include rehabilitation of brain injured individuals.

Co-hosted by:
Department of Physical Medicine & Rehabilitation
MetroHealth Medical Center

MetroHealth

November 3

Friday, 8:30 am

CWRU Biomedical Research Building, Rm 105

Sherif Elbasiouny, PhD, PE, PEng

Sherif Elbasiouny, PhD, PE, PEng is an assistant professor in the departments of neuroscience, cell biology & physiology and biomedical, industrial & human factors engineering at Wright State University. Dr. Elbasiouny's work combines computer modeling, electrophysiology, and immunohistochemical techniques for studying the role of spinal neurons in integrating the sensorimotor signals for movement control in health and after neurological injuries.

Co-hosted by:
Neurological Institute
University Hospitals

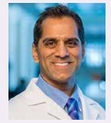
University Hospitals

December 8

Friday, 8:30 am

CWRU Wolstein Research Building, Rm 1413

Parag Patil, MD, PhD



Parag Patil, MD, PhD is an associate professor neurological surgery, neurology, anesthesiology, and biomedical engineering in the college of engineering at the University of Michigan. His areas of interest include brain machine interface, neuroprosthetic devices, intraoperative electrophysiology, motor and cognitive human systems, neuroscience mechanisms of deep brain stimulation (DBS), and clinical outcomes in functional neurosurgery.

Co-hosted by:
Neurological Institute
University Hospitals

University Hospitals

January 19

Friday, 8:30 am

CWRU Wolstein Research Building, Rm 1413

Aaron Batista, PhD

Aaron Batistam PhD is an assistant professor of bioengineering, and principal investigator of the Sensory Motor Integration Laboratory and Engineering (SMILE) at the University of Pittsburgh. His laboratory explores the neural mechanisms of sensory-motor integration to help improve neural prosthetics; devices that can provide motor control to paralyzed individuals.

Co-hosted by:
Center for Neurological Restoration
Cleveland Clinic

Cleveland Clinic

February 16

Friday, 8:30 am

CWRU Wolstein Research Building, Rm 1413

Julius Dewald, PhD

Julies Dewald, PhD is chair of the department of physical therapy and human movement sciences, and professor of physical therapy and human movement sciences in the McCormick school of engineering and physical medicine & rehabilitation at Northwestern University. His lab focuses on discoordination of upper limbs after stroke, brain plasticity during recovery, and novel neurotherapeutic training programs to enhance motor control of the upper limb even years after a stroke.

Co-hosted by:
Department of Biomedical Engineering
Case Western Reserve University

Case Western Reserve University EST. 1826

March 16

Friday, 8:30 am

CWRU Wolstein Research Building, Rm 1413

Dominique Durand, PhD

Dominique Durand, PhD is an Elmer Lincoln Lindseth Professor in Biomedical Engineering, and Director of the Neural Engineering Center at Case Western Reserve University. In Dr. Durand's laboratory, research combines computational neuroscience, engineering and electrophysiology to solve problems in the central and peripheral nervous systems.

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Department of Biomedical Engineering
Case Western Reserve University

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April 13

Friday, 8:30 am

CWRU Biomedical Research Building, Rm 105

Sliman Bensmaia, PhD

Sliman Bensmaia, PhD is an assistant professor in the department of organismal biology and anatomy at the University of Chicago. Dr. Bensmaia's research interests include neural coding and the neural basis of perception, specifically focusing on texture perception, propioception, and neuroprosthetics.

Co-hosted by:
Department of Biomedical Engineering
Case Western Reserve University

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May 18

Friday, 8:30 am

CWRU Wolstein Research Building, Rm 1413

Industry Round Table

Neurotech industry experts participate in round table discussion of translation processes, pathways, and challenges.

Live stream lectures at www.FEScenter.org/Seminar

MOVEMENT RESTORATION

AUTONOMIC SYSTEM

BRAIN HEALTH

PAIN

TOOLS & TECHNOLOGY

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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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.

Veterans Health Administration Research & Development

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