

# NEUROSCIENCE

## MARCH 14th-15th

### 2018



Date	Time	Track	Presentation Title	Speaker
14-Mar	06:00 - 07:00 AM	Molecular Mechanisms: Transport and Disease	Mapping Cerebellum-to-Forebrain Connectivity Using Optogenetics and Functional Magnetic Resonance Imaging	Paul Mathews, PhD Investigator & Co-Director of the Neurotherapeutics IWI, Lundquist Institute (Formerly "LA BioMed"); Assistant Professor, David Geffen School of Medicine at UCLA Department of Neurology
14-Mar	06:00 - 07:00 AM	Computational Psychiatry	Speech Graphs as a Tool for Psychiatric Diagnosis: A Physicist's Walk into Computational Psychiatry	Mauro Copelli, PhD Associate Professor of Physics, Federal University of Pernambuco
14-Mar	06:00 - 07:00 AM	Neurological Disorders	Targeting the Blood-Brain Barrier Transferrin Receptor for Delivery of Biologics for Alzheimer's Disease	Rachita Sumbria, PhD Assistant Professor of Biopharmaceutical Sciences, Keck Graduate Institute School of Pharmacy
14-Mar	07:30 - 08:30 AM	Molecular Mechanisms: Transport and Disease	Keynote Presentation: Ataxia, Dysmetria of Thought, and the Cerebellar Cognitive Affective Syndrome	Jeremy Schmahmann, MD Professor of Neurology, Harvard Medical School Founding Director, Ataxia Unit Cognitive Behavioral Neurology Unit Director, Massachusetts General Hospital
14-Mar	09:00 - 10:00 AM	Neurological Disorders	3D Dilemma of This Century	Natalie Rasgon, MD, PhD Professor of Psychiatry and Behavioral Sciences, Obstetrics and Gynecology, Director, Center for Neuroscience in Women's Health, Stanford University School of Medicine
14-Mar	09:00 - 10:00 AM	Molecular Mechanisms: Transport and Disease	IPSC-Derived Human Neurons: Introduction and Application	Michael Hendrickson Project Manager, BrainXell, Inc.
14-Mar	10:30 - 11:30 AM	Molecular Mechanisms: Transport and Disease	CRISPR and ZFN Mediated Gene Editing for the Exploration of Neural Cell Mechanisms and Modeling	Jeremy Lehmann Product Specialist Functional Genomics, MilliporeSigma

14-Mar	10:30 - 11:30 AM	Neural Basis of Consciousness	Investigating the Locus of Conscious Sensory Experience in the Brain	Brian Odegaard, PhD Post-Doctoral Research Scientist, University of California, Los Angeles
14-Mar	10:30 - 11:30 AM	Neurological Disorders	Studying Sex-Specific Signaling to Understand Male Bias in Neurodevelopmental Disorders	Chiara Manzini, PhD Assistant Professor of Pharmacology and Physiology, and Integrative Systems Biology, GW Institute for Neuroscience
14-Mar	12:00 - 01:00 PM	Neurological Disorders	Deciphering the Complexities of Neurodegeneration and Neuroinflammation with Gene Expression Profiling	Kelly Miller, PhD Application Scientist, NanoString Technologies, Inc.
14-Mar	12:00 - 01:00 PM	Molecular Mechanisms: Transport and Disease	Decoding How Clathrin is Transported to Distal Synapses Along Axons	Archan Ganguly, PhD Postdoctoral Scholar, University of California, San Diego
14-Mar	12:00 - 01:00 PM	Neural Basis of Consciousness	The self-tuning brain: normalizing brain oscillations with neurofeedback	Tomas Ros, PhD Researcher, Department of Fundamental Neurosciences, University of Geneva
14-Mar	01:30 - 02:30 PM	Neural Basis of Consciousness	Assessing the Role of Prefrontal Cortex in Consciousness Via a New Metric of Functional Connectivity	Megan Peters, PhD Assistant Professor, Bioengineering, University of California, Los Angeles
15-Mar	06:00 - 07:00 AM	Neural Basis of Consciousness	Keynote Presentation: Reinforcement Learning: Mechanisms and Implications	Emad Eskandar, MD, MBA Professor and Chairman, Department of Neurological Surgery, Albert Einstein College of Medicine, Montefiore Medical Center
15-Mar	07:30 - 08:30 AM	Neural Basis of Consciousness	Keynote Presentation: The Dynamics of the Unconscious Brain Under General Anesthesia	Emery N. Brown, MD, PhD Warren M. Zapol Prof. of Anaesthesia Harvard Medical School, Prof. of Computational Neuroscience MIT, Director, Neuroscience Statistics Research Laboratory, Anesthetist, Massachusetts General
15-Mar	09:00 - 10:00 AM	Molecular Mechanisms: Transport and Disease	Axon Regeneration in the CNS: Insights from the Optic Nerve	Larry Benowitz, PhD Professor of Neurosurgery and Ophthalmology, Harvard Medical School, Neurosurgical Innovation and Research Endowed Professor, Boston Children's Hospital
15-Mar	09:00 - 10:00 AM	Neurological Disorders	Multiplex Immunoassay Detection of Alzheimer's Disease Biomarkers in Cerebrospinal Fluid, Plasma, and Serum	Anthony Saporita, PhD Senior Scientist, MilliporeSigma

15-Mar	10:30 - 11:30 AM	Neurological Disorders	An Emerging Role of DNA Damage-Repair in Huntington's Disease	Animesh Ray, PhD Professor, Keck Graduate Institute
15-Mar	10:30 - 11:30 AM	Neural Basis of Consciousness	Investigating Consciousness with Closed-Loop Neural Reinforcement	Aurelio Cortese, PhD Researcher, ATR Institute International
15-Mar	10:30 - 11:30 AM	Molecular Mechanisms: Transport and Disease	Overcoming Hurdles in the Study of Rare Diseases: Innovative Strategies for Novel Therapy Development	Jill Weimer, PhD Senior Director of Therapeutic Development and Associate Scientist in Children's Health Research Center, Sanford Research
15-Mar	12:00 - 01:00 PM	Molecular Mechanisms: Transport and Disease	Acoustic Experience Alters How You See the World	Stephen Lomber, PhD Canada Research Chair in Brain Plasticity and Development, Professor of Physiology and Pharmacology and Psychology, University of Western Ontario
15-Mar	12:00 - 01:00 PM	Neurological Disorders	Tough Targets, Simple Genotyping -Fast and Easy Protocols to Determine SMN1 and SMN2 Copy Number and APOE Allele Identification	Ryan Donnelly Product Manager, Canon Biomedical
15-Mar	01:30 - 02:30 PM	Neurological Disorders	Rare Inherited Mutations in Autism Spectrum Disorder	Maria Chahrour, PhD Assistant Professor, University of Texas Southwestern Medical Center