

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 |

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| 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 |

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| 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 |