

Minisymposia

THEME A: Development

Novel RNA Modifications in the Nervous System: Form and Function **CME**

Chair: John Satterlee, PhD
Co-Chair: Jonathan Pollock, PhD

THEME B: Neural Excitability, Synapses, and Glia: Cellular Mechanisms

Activity-Dependent Regulation of Synapse Organization and Function by Palmitoylation **CME**

Chair: Elva Diaz, PhD
Co-Chair: Shernaz Bamji, PhD

Mitochondria in the Development and Plasticity of Neurons **CME**

Chair: Zheng Li, PhD

Network-Mediated Encoding of Circadian Time: The Suprachiasmatic Nucleus (SCN) From Genes to Neurons to Circuits and Back **CME**

Chair: Marco Brancaccio, PhD

THEME C: Disorders of the Nervous System

Bath Salts, Spice, and Related Designer Drugs: The Science Behind the Headlines **CME**

Chair: Michael H. Baumann, PhD
Co-Chair: Jenny L. Wiley, PhD

Emerging Roles of Extracellular Vesicles in the Nervous System **CME**

Chair: Xandra O. Breakefield, PhD
Co-Chair: Lawrence Rajendran, PhD

Endocannabinoids and Related Mediators in Brain Function **CME**

Chair: Miriam Melis, PhD
Co-Chair: Vincenzo Di Marzo, PhD

Human Subcortical Connectivity with High-Field MRI **CME**

Chair: Salvatore J. Torrisi, PhD
Co-Chair: Monique Ernst, MD, PhD

Lipidomics and Lipid Signaling in Neurodegeneration **CME**

Chair: Kimberly B. Kegel-Gleason, PhD

The Role of Mitochondrial Dynamics and Brain Metabolism in Health and Disease **CME**

Chair: Eugenia Trushina, PhD

Trafficking Dysfunction in Neurodegenerative Diseases **CME**

Chair: Gopal Thinakaran, PhD
Co-Chair: Huaxi Xu, PhD

THEME D: Sensory and Motor Systems

From Objects to Actions: Dynamics in Parietal and Frontal Cortex **CME**

Chair: Patrizia Fattori, PhD
Co-Chair: Hans Scherberger, MD

New Roles for the External Globus Pallidus in Basal Ganglia Circuits and Behavior **CME**

Chair: Aryn Gittis, PhD

Pro-Nociceptive Interactions Between Spinal and Supraspinal Centers in Chronic Pain: Mechanisms and Avenues for Novel Drug Targets **CME**

Chair: Shafaq Sikandar, PhD

The Neural Basis of Affective Touch **CME**

Chair: India Morrison, PhD
Co-Chair: Hakan William Olausson, MD, PhD

The Role of Parvalbumin Neurons in Visual Processing and Plasticity **CME**

Chair: Aaron W. McGee, PhD
Co-Chair: Sandra Kuhlman, PhD

THEME E: Integrative Systems: Neuroendocrinology, Neuroimmunology, and Homeostatic Challenge

Hypothalamic Control of Autonomic Nervous System Outflow and Obesity: Impact on Multiple Systems **CME**

Chair: Colleen M. Novak, PhD
Co-Chair: Haifei Shi, PhD

Is There a Neurobiological Basis for Food Addiction? **CME**

Chair: Ivan E. De Araujo, PhD
Co-Chair: Ralph DiLeone, PhD

THEME F: Cognition and Behavior

Advances in Understanding Mechanisms of Cortico-Thalamic Interactions in Cognition and Behavior **CME**

Chair: Yogita Chudasama, PhD
Co-Chair: Anna S. Mitchell, PhD

Characterizing the Roles of Fronto-Cingulo-Subcortical Circuits in Pain, Emotion, and Cognition **CME**

Chair: David Seminowicz, PhD

Imaging and Segmentation of Hippocampal Subfields in Humans: Relevance to Cognition and Disease **CME**

Chair: Geoffrey A. Kerchner, MD, PhD
Co-Chair: Paul Yushkevich, PhD

Multimodal Investigation of Large-Scale Brain Dynamics: Combining fMRI and Intracranial EEG **CME**

Chair: Biyu He, PhD
Co-Chair: Karim Jerbi, PhD

Noradrenergic Function and Dysfunction: New Insight From Selective Genetic Targeting of Locus Coeruleus **CME**

Chair: Elena M. Vazey, PhD

Understanding Mechanisms and Functions of Cortical Rhythms by Selective Interventions **CME**

Chair: Cyriel M.A. Pennartz, PhD

THEME G: Novel Methods and Technology Development

In vivo Reprogramming for Brain Repair **CME**

Chair: Gong Chen, PhD
Co-Chair: Chun-Li Zhang, PhD

Transgenic Primate Models of Human Brain **CME**

Chair: John H. Reynolds, PhD
Co-Chair: Partha P. Mitra, PhD

