SYMPOSIA

THEME A: DEVELOPMENT

Developmental Origins of Neuronal Diversity in the Cerebral Cortex CME
Chair: Oscar Marin, PhD
Impact of Zika Virus Infection in the Nervous System and Its Underlying Mechanisms CME
Chair: Guo-li Ming, MD, PhD
Co-Chair: Nenad Sestan, MD, PhD

THEME B: NEURAL EXCITABILITY, SYNAPSES, AND GLIA

Assembly and Maintenance of the Peripheral Nerve Node of Ranvier in Development, Health, and Disease CME
Chair: Hugh J. Willison, PhD
Co-Chair: Peter J. Brophy, PhD

THEME C: NEURODEGENERATIVE DISORDERS AND INJURY

Experimental Models Versus Reality of Neurological Disease CME
Chair: Werner Paulus, MD

Illuminating Neural Circuits: From Molecules to MRI CME
Chair: Jin Hyung Lee, PhD
Co-Chair: Anatal C. Kreitzer, PhD

Neuroimmune Interactions: A Status Change CME
Chair: Jorge Ivan Alvarez, PhD
Co-Chair: Jonathan Kipnis, PhD

Tau Homeostasis and Toxicity in Neurodegeneration CME
Chair: Li Gan, PhD
Co-Chair: Karen Ashe, MD, PhD

The Role of RNA Biology in Neurological Disease CME
Chair: Wenzhen Duan, MD, PhD

THEME D: SENSORY SYSTEMS

Cortical Plasticity Following Sensory Loss and Restoration CME
Chair: Stephen G. Lomber, PhD
Co-Chair: Amir Amedi, PhD

THEME E: MOTOR SYSTEMS

Neural Mechanisms of Voluntary Action Control: From Habits to Intentionality in Animals and Humans CME
Chair: Itzhak Fried, MD, PhD

THEME F: INTEGRATIVE PHYSIOLOGY AND BEHAVIOR

Central Network Dynamics Regulating Visceral and Humoral Functions CME
Chair: R. J. Valentino, PhD
Co-Chair: Patrice G. Guyenet, PhD

THEME G: MOTIVATION AND EMOTION

The Role of Extra-Suprachiasmatic Nucleus Brain Clocks in Circadian Regulation of Brain Function: Time Matters! CME
Chair: Robert L. Spencer, PhD

THEME H: COGNITION

Neural Correlates of Consciousness: Progress and Problems CME
Chair: Johan Storm, PhD
Co-Chair: Melanie Boly, MD, PhD

Neuronal Adaptation and Behavioral Performance in Perceptual and Economic Decisions CME
Chair: Camillo Padoa-Schioppa, PhD

THEME I: TECHNIQUES

Exciting New Tools and Technologies Emerging From the BRAIN Initiative CME
Chair: Joshua A. Gordon, MD, PhD

BASIC-TRANSLATIONAL-CLINICAL ROUNDTABLES

Advances and Challenges in Deep Brain Stimulation CME
Organizer: Andres M. Lozano, MD, PhD

Hearing Loss, Brain Function, and Healthy Aging CME
Organizer: Frank R. Lin, MD, PhD

Emerging Neuroimaging Biomarkers for Schizophrenia CME
Organizer: John H. Krystal, MD