



# Society for Brain Mapping and Therapeutics (SBMT) Galleria Tiffany Room: Final Program

## 14th April 2018

**Sat April 14 10:00-11:30 AM**

**B25-Neurotherapeutics**

**Chair: Kuldip Sidhu and Kelly Ryder**

**10:00-10:15** Nate Bergman (Center for Functional Medicine, Cleveland Clinic): Veteran Brain Health

**10:15-10:30** Kelly Ryder (The Ryder Clinic): Concussion and Objective Approach to Care and Rehabilitation

**10:30-10:45** James S Welsh (Stritch School of Medicine): Chemotherapy Induced Neurological Trauma: Ototoxicity and Magnesium

**10:45-11:00** Kuldip Sidhu (UNSW/CK CELL TECHNOLOGIES PTY LTD): New Frontiers towards stem cell-based therapeutics with focus on Alzheimer's disease

**11:00-11:15** Christina Maria Zelano (Northwestern University Feinberg School of Medicine): The human amygdala and breathing: implications for SUDEP and anxiety

**11:15-11:30** Session discussion

**Sat April 14 1:00-2:30PM**

**B32- Genomics of Brain Disorder**

**Chair: Steven J Gray**

**1:00-1:15** David Schaffer (UC Berkeley): Developing novel gene therapies for CNS disorders

**1:15-1:30** Timothy Miller (Abeona Therapeutics Inc): Developing novel gene therapies for CNS disorders

**1:30-1:45** Allison Bradbury (University of Pennsylvania): From Kennel to Clinic: Preclinical therapy trials in large animal models of neurodegenerative diseases

**1:45-2:00** Steven Gray (University of Texas Southwestern Medical Center): First-in-human intrathecal AAV9 gene transfer for the treatment of nervous system diseases

**2:00-2:15** Paola Leone (Cell & Gene Therapy Center, RowanSOM, Stratford, NJ): Two Decades of AAV-mediated Gene Therapy for Canavan Disease: The Co-Evolution of Targets and Technology

**2:15-2:30** Session discussion

**Sat April 14th 3:00-4:30 PM**

**B39-Military and Sports Medicine: From imaging to Behavioral Analysis**

**Co-Chairs: Mike Roy & Ken Green**

**3:00-3:15** Colonel Sidney Hinds (DVBIC, Armed Forces Radiobiology Research Institute for Military Medical Operations, Nuclear Medicine Services at Walter Reed National Military Medical Center): DoD Blast Injury Research Program Coordinating Office: Efforts in Brain Injury Research

**3:15-3:30** Sarah Gimbel (USC Dornsife): Brain Bases of Functional Recovery in TBI Patients Following Intervention

**3:30-3:45** Pashtun Shahim (Center for Neuroscience and Regenerative Medicine, Uniformed Services University, Bethesda, MD): Volumetric changes following military traumatic brain injury

**3:45-4:00** Jamie N. Hershaw (Ettenhofer Laboratory, Uniformed Services University, Bethesda, MD): Psychophysiological Indicators of Neurocognitive Function in Chronic Mild Traumatic Brain.

**4:00-4:15** Dan Perl (Ettenhofer Laboratory, Uniformed Services University, Bethesda, MD): Comparing and Contrasting Patterns of CTE in Military Service Members and Athletes

**4:15-4:30** Session Discussion