



Society for Brain Mapping and Therapeutics (SBMT)

Galleria Emerald Room: Final Program

14th April 2018

Sat April 14 10:00-11:30am

B23 -Big data analytics in Behavioral Neuroscience

Chairs: Shri Narayanan

10:00-10:15 Allison Knoll (USC and Children's Hospital Los Angeles, Institute for the Developing Mind): MUPET - A signal processing tool for rapid and unsupervised analysis of mouse ultrasonic vocalizations

10:15-10:30 Morteza Dehghani (Brain & Creativity Institute, USC): Decoding the Neural Representation of Story Meanings across Languages

10:30-10:45 Daniel Bone (Yomdel, LLC): Quantifying Behavior with Signal Processing and Machine Learning: A case study in Autism Spectrum Disorder

10:45-11:00 Armen Arevian (UCLA): Prediction of clinical state in serious mental illness through free speech analysis

11:00-11:15 Panayiotis (Panos) Georgiou (USC): Understanding interaction dynamics in couples therapy through automated speech processing

11:15-11:30 Session Discussion

Saturday April 14th 1:00- 2:30 pm

B30 - Neuroendoscopy

Chair: Kenny De Los Reyes

1:00-1:15 Kenneth De Los Reyes (Loma Linda University): The evolution of neuroendoscopy and the Loma Linda University Experience

1:15-1:30 Robert Louis (Hoag Neurosciences Institute Diplomate, American Board of Neurological Surgery): Next Generation Imaging, Preoperative Planning and Surgical navigation with Virtual and Augmented Reality

1:30-1:45 Garni Barkhoudarian (John Wayne Cancer Institute, Pacific Pituitary Disorders Center, Pacific Facial Pain Center, Pacific Adult Hydrocephalus Center, Saint John's Health Center): Endoscopic assisted keyhole craniotomy approaches

1:45-2:00 Aaron Cutler (Inland Neurosurgery Institute): 2-D vs. 3-D Endoscopic Visualization: Laboratory Investigation

2:00-2:15 Steve Lee (University of Washington, Seattle): Giant and complex intracranial aneurysms- Novel insights and treatment concepts

2:15-2:30 Session Discussion

Sat April 14th 3:00-4:30pm

B37- Neuro-Endovascular

Chair: Promod Pillai

3:00-3:15 Laligam Sekhar (University of Washington, Seattle): Giant and complex intracranial aneurysms- Novel insights and treatment concepts

3:15-3:30 J. Paul Jacobson (Loma Linda University): Changing landscape of acute stroke endovascular therapy

3:30-3:45

a) J. Paul Jacobson (Loma Linda): Clinical case discussion and hands-on flow model demonstration – on acute stroke therapy and endovascular techniques in Aneurysm treatment

b) Daniel Hoss, (Loma Linda): Clinical case discussion and hands-on flow model demonstration – on acute stroke therapy and endovascular techniques in Aneurysm treatment

c) Promod Pillai (Loma Linda): Clinical case discussion and hands-on flow model demonstration – on acute stroke therapy and endovascular techniques in Aneurysm treatment

3:45-4:30 Session Discussion