

Society for Brain Mapping and Therapeutics (SBMT)
Organized by Ashkan Javadzadeh

Final Program
15th April 2018

Sunday, April 15th 10:00 – 11:30 am

Session C48 : Zeiss Neurophotonics and Brain Mapping

Chair: Babak Kateb and Bahram Jalali

10:00-10:15 Babak kateb, MD

(Society for Brain Mapping & Therapeutics (SBMT) | Brain Mapping Foundation |

National Center for NanoBioElectronics

Brain Technology and Innovation Park

Loma Linda Univeristy, Department of Neurosurgery)

From Nanoneurosurgery To Supercomputing, AI And Smart Intraoperative-Microscopy

10:15-10:30 Michel F. Levesque, MD (Siragen Pharmaceuticals)

The role of calcium dysregulation in Alzheimer's disease

10:30-10:45 Naoki Kaneko (Division of Interventional Neuroradiology)

Endothelialized 3D Cerebrovascular Modeling: A New In Vitro Approach to Study Biological Response in Realistic Vascular Geometry.

10:45-11:00 Fabien Scalzo (Department of Neurology and Computer Science University of California, Los Angeles) Machine learning in neurovascular imaging

11:00-11:15 Neal Prakash (City of Hope National Cancer Center)

Visible-Light Optical Imaging Spectroscopy for Tumor Delineation and Language Mapping

11:15-11:30 Session Discussion

Sunday, April 15th 1:00 – 2:30 pm

Session C55 : Neuroradiology Subcommittee

Chair: Aaron Filler and Arash Kamali

Sunday, April 15th 3:00 – 4:30 pm

Session C62: Neurophysiology

Chair: Dawn Eliashiv and John Stern

3:00-3:15 Evgeny I. Tsimerinov, MD, PhD, FAAN, FACNS, DABPN
(Cedars-Sinai Medical Center)

Is it the time to use EEG as prediction tool?

3:15-3:30 Dawn Eliashiv, MD

(UCLA Seizure Disorder Center

UCLA Department of Neurology)

Clinical and Experimental lessons from Responsive Neurostimulation

3:30-3:45 Venkathram Sadanand, MD

(Loma Linda University Medical Center and Children's Hospital)

Role of Game Theory and Economics in Medicine

3:45-4:00 Ali Titz, PhD (MemoryCo)

Remember What Matters: Personalized Approaches to Memory Improvement

4:00-4:15 John Stern, MD (Director, Epilepsy Clinical Program Co-Director, UCLA Seizure Disorder Center UCLA Department of Neurology)

Mapping Epilepsy's Network Abnormality

4:15-4:30 Session Discussion

Sunday, April 15th 5:00 – 6:30 pm

Session C69: Advance Material in Brain and Spine Discovery and Therapy

Chair: Ed Boyden and Pablo Valdes Quevedo

5:00-5:15 Ed Boyden, PhD (MIT, Media Lab and McGovern Institute, Departments of Biological Engineering and Brain and Cognitive Sciences)

Expansion Microscopy: Principles and Methods of Use

5:15-5:30 Yongxin (Leon) Zhao, PhD (Carnegie Mellon University, Department of Biological Sciences)

Expansion Pathology: Nanoscale Imaging of Clinical Specimens

5:30-5:45 Deblina Sarkar, Ph.D. (MIT Media Lab., Synthetic Neurobiology Group)

Very High-Magnification Expansion Microscopy

5:45-6:00 Deblina Sarkar, Ph.D. (MIT Media Lab., Synthetic Neurobiology Group)

Very High-Magnification Expansion Microscopy

6:00-6:15 Joshua Vaughan, Ph.D. (University of Washington, Department of Chemistry)

New Forms and Applications of Expansion Microscopy

6:15-5:30 Pablo Valdes, MD, PhD (MIT, Synthetic Neurobiology Lab, and Brigham and Women's Hospital/Harvard Medical School, Department of Neurosurgery)

Expansion Pathology: Extensions and Applications to Glioblastoma