



Society for Brain Mapping and Therapeutics (SBMT) South Galleria Biltmore Bowl: Final Program

14th April 2018

Saturday, April 14th 10:00 – 11:30 am

Session B22: Brain Bionic (USC CME)

Chair: Ted Berger

10:00-10:15 Ted Berger (University of Southern California): A Hippocampal Neural Prosthesis for Human Memory

10:15-10:30 James Weiland (University of Michigan): Form Preception with an Electronic Retinal Prosthesis

10:30-10:45 Terence Sanger (University of Southern California): Listening to Basal Ganglia and Thalamus in Children

10:45-11:00 Greg Artzhur Clark (University of Utah): Restoring Sensorimotor Hand Function After Amputation for Complex Regional Pain Syndrome

11:00-11:15 Dong Song (University of Southern California): Nonlinear Dynamical Modeling for Hippocampal Memory

11:15-11:30 Session Discussion

Saturday, April 14th 1:00 – 2:30 pm

Session B29: National and Federal Labs's Translational Research and Development

Chair: John Dement and Jennifer Stewart

1:00-1:15 Jennifer Stewart (Naval Surface Warfare Center, Corona Division): FLC Federal Lab Tech Transfer tools to find R&D Resources

1:15-1:30 Roger Werne (Lawrence Livermore National Laboratory): The Brain Sensor Probe and the Brain-Inspired computer

1:30-1:45 Barry Datlof (Army MEDCOM): MEDCOM activities, and how to approach and work with a DoD lab

1:45-2:00 Wim Leemans (Lawrence Berkeley National Laboratory): LBNL's research in laser-accelerated particles and its application in medicine

2:00-2:15 Janeya Griffin (NASA Armstrong Flight Research Center): NASA interests in the areas of bio, brain, and the use of Space Act Agreements

2:15-2:30 Session Discussion

Saturday, April 14th 3:00 – 4:30 pm

Session B36: Translational Technologies

Chair: John George

3:00-3:15 John George (The New Mexico Consortium): Toward Dynamic Electromagnetic Tomography of Neural Function

3:15-3:30 Don Tucker (EGI/Philips Medical, BELCO): EEG and EIT

3:30-3:45 Rosalind Sadleir (Arizona State University): functional MREIT

3:45-4:00 Per Magnelind (Los Alamos National Laboratory): ULF MRI and Current Density Imaging

4:00-4:15 Igor Savukov (Los Alamos National Laboratory): Optically Pumped Magnetometers for MEG and MRI

4:15-4:30 Session Discussion