

Society for Brain Mapping and Therapeutics (SBMT) 15th Annual Congress

Cordoban Room: Final Program

14th April 2018

Saturday, April 14th 10:00 – 11:30 am

B26: Brain Mapping and Therapeutics in Pediatric Medicine

Chair: Jessica Rose

10:00 – 10:15 Christos Papadelis (Harvard Medical School): Functional and structural abnormalities in the sensorimotor system of children with cerebral palsy: multimodal neuroimaging

10:15 – 10:30 Ravi Bansal (Children's Hospital Los Angeles, University of Southern California): In Vivo Evidence for Compensatory, Neuroplastic Changes in the Brain

10:30 – 10:45 Talin Babikian (UCLA Geffen School of Medicine): The role of neuro-inflammation in pediatric traumatic brain injury

10:45 – 11:00 Katherine E. Travis (Stanford University School of Medicine): Interrogating white matter properties in children born preterm using diffusion and quantitative T1 MRI

11:00 – 11:15 Kornel Schadt (Stanford University School of Medicine): Deep learning applications in pediatric neuroradiology: analysis of structural MRI and DTI.

11:15– 11:30 Session Discussion

Saturday, April 14th 1:00– 2:30 pm

B33: Multimodality Brain Mapping

Chairs: Arash Kamali and John Heymann

1:00 – 1:15 Mark Shiroishi (Keck School of Medicine): Neuroimaging of cancer-related cognitive impairment

1:15 – 1:30 Aaron Filler (Institute for Nerve Medicine)

1:30 – 1:45 John Heymann (University of Texas Galveston): Essentials of Perfusion Imaging

1:45 – 2:00 Arash Kamali (University of Texas Houston): High spatial resolution diffusion tensor tractography atlas of amygdalo-diencephalic connections of the human limbic system

2:00 – 2:15 Ammar Chaudhry (City of Hope National Medical Center): Radiobiogenomics of Glioblastoma

2:15 – 2:30 Session Discussion

Saturday, April 14th 3:00– 4:30 pm

B40: Radiation Oncology: New Combined Therapies for High Grade Gliomas

Chairs: Reinhard Schulte and Yazmin Odia

3:00 – 3:15 Paula Schiaparelli (Mayo Florida): Role of ion transporters in Glioblastoma cell migration

3:15 – 3:30 Maciej M. Mrugala (Mayo Phoneix): Combined Therapies for High Grade Gliomas

3:30 – 3:45 Jing Wu (Mayo Phoneix): National Institute of Health/National Cancer Institute

3:45 – 4:00 Max Knoll (Heidelberg Ion Therapy): Integrative Omics and Carbon Ion Irradiation for Development of Next Generation Therapies Against GBM

4:00 – 4:15 John Yu (Cedar Sinai): Oxidative environment–responsive nanoprodug/drug delivery system for selective targeting of malignant brain tumors

4:15 – 4:30 Session Discussion