5th Indiana Neuroimaging Symposium
November 3, 2017, Purdue University (STEW 214)

Preliminary Schedule
8:00 – 8:50  Registration and breakfast
8:50 – 9:00  Welcome (Dydak and Goñi)
9:00 – 10:00  Cognitive Neuroimaging
   1) Sebastien Helie, Purdue, Using fMRI to characterize category representation
   2) Brandon Oberlin, IUSM, Choosing Bad: fMRI of alcohol cross-commodity discounting
   3) Alan Ceasar, Stanford, Reversibility of cognitive control deficits and symptoms of psychosis with cognitive training
10:00 – 10:40  Data Blitz
10:40 – 11:00  Coffee Break
11:00 – 12:00  Advanced imaging techniques
   1) Uzay Emir, Purdue, Fast and robust whole-brain spectroscopic imaging
   2) Yunjie Tong, Purdue, De-noising functional infrared imaging
   3) Zhongming Liu, Purdue, Where does artificial intelligence meet the brain?
12:00 – 2:00  Lunch and Poster Session (STEW 212)
2:00 – 2:40  Neurological and Neurodegenerative Disorders
   1) Georgia Malandraki, Purdue, Neuroplastic adaptations of feeding/swallowing in unilateral cerebral palsy: preliminary findings
   2) Shannon Risacher, IUSM, Tau Imaging in Alzheimer’s disease and other dementias
2:45 – 3:00  Break
3:00 – 3:45  Visit of the new Purdue MRI facility
3:45 – 4:45  Connectomics and Data Mining
   1) Joaquin Goñi, Purdue, Individual fingerprints of human brain functional connectomes
   2) Dae-Jin Kim, IUB, Mapping white matter development in the brain connectome
   3) Jason Parker, IUSM, Mapping intra-tumoral heterogeneity of human brain tumors using joint PET/MR and co-registered stereotactic biopsy with deep machine learning
4:45 – 5:00  Student Poster Awards

Nov 4, 2017, 8:30 am – 3 pm
- Hackathon on Brain Connectomics (Goñi, Amico)
- Mini-Pulse-Programing Course: How to program the Siemens MRI scanner (Emir, Zhou and Cheng)