Scientific Program
8:30-9:30 am  Registration/Continental breakfast
9:30-9:40 am  Welcome Remarks: Dr. Xiao-Ming Xu, Scientific Director, Spinal Cord and Brain Injury Research Group
9:40-9:45 am  Open remark: Dr. Donna Fekete, Director, Purdue Institute for Integrative Neuroscience
9:45-9:50 am  Open remark: Dr. Nickolas Barbara, Chair, Department of Neurological Surgery
9:50-9:55 am  Open remark: Dr. Bruce Lamb, Director of Stark Neuroscience Research Institute
Morning Section  Chair: Dr. Xiao-Ming Xu
10:00-10:20 am  Dr. Bruce Lamb, Professor and Director of Stark Neuroscience Research Institute
Immune Pathways Linking Traumatic Brain Injury and Neurodegeneration
10:20-10:40 am  Dr. Riyi Shi, Professor, Department of Basic Medical Sciences, Weldon School of Biomedical Engineering, Purdue University
From tissue deformation, structural damage to behavioral deficits: a multidisciplinary collaborative investigation of traumatic brain injury
10:40-11:00 am  Coffee break
11:00-11:20 am  Dr. Xiao-Ming Xu, Scientific Director, Spinal Cord and Brain Injury Research Group
Ongoing research and collaboration opportunities at the Indiana University Spinal Cord and Brain Injury Research Group
11:20-11:40 am  Dr. Amy Brewster, Assist Prof. Psychological Sciences, Purdue University
The classical complement pathway and its role in seizure-induced brain injury
11:40-12:00 pm  Dr. Richard Rodgers, Director of Neurotrauma and Neurocritical Care, Department of Neurological Surgery
Neurotrauma: Update on Clinical Care, Current Research and Future Directions
12:00-1:00 pm  Lunch and Poster Viewing
Afternoon Section  Chair: Dr. Riyi Shi
1:05-1:25 pm  Dr. Melissa Lewis, Asist. Prof. Purdue University College of Veterinary Medicine
Clinical animal models of trauma to the spinal cord and brain
1:25-1:45 pm  Dr. Dawn Neumann, Research Director, Department of Physical Medicine and Rehabilitation, and the Rehabilitation Hospital of Indiana
Applied physical medicine and rehabilitation research in brain and spinal cord injuries at PM&R and RHI
1:45-2:05 pm  Dr. Yang Yang, Assist. Prof. College of Pharmacy, Purdue University
Role of sodium channels in neuropathic pain
2:05-2:20 pm  Coffee break
2:20-2:40 pm  Dr. Fletcher A. White, Department of Anesthesia, Pharmacology & Toxicology, Stark Neuroscience Research Institute
Enhanced Central Sensitization is associated with Headache Pain following Mild Traumatic Brain Injury: When does the inflammatory response end and hurt begin?
2:40-3:00 pm  Dr. Joseph Rispoli, Assist. Prof. College of Engineering, Purdue
Magnetic resonance spectroscopy (MRS) for brain and spinal cord trauma
3:00-3:20 pm  Dr. Xiaoming Jin, Associate Professor, School of Medicine
Homeostatic Plasticity in Neuropathic Pain and Posttraumatic Epilepsy
3:20-3:30 pm  Closing remarks: Dr. Riyi Shi, area leader, Neurotrauma and Neuropathology, Purdue Institute for Integrative Neuroscience, Purdue university.
3:30-5:30 pm  Poster Viewing and Social Hours