Morning Session:

8:30-9:20 am  Registration & Continental breakfast
9:20-9:25 am  **Opening Remarks: Dr. Bruce Lamb**, Director of Stark Neuroscience Research Institute
9:25-9:30 am  **Opening remarks: Dr. Chris Rochet**, Director of Purdue Institute for Integrative Neuroscience
9:30-9:35 am  **Opening remarks: Dr. Anantha Shekhar**, Associate Vice President of Research and University Clinical Affairs, IU
9:35-9:40 am  **Opening remarks: Dr. Robert Pascuzzi**, Chair of Department of Neurology, IU

**Morning Section**  Chair: Dr. Xiaoming Jin, Professor of Anatomy, Cell Biology & Physiology, IU

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<thead>
<tr>
<th>Time</th>
<th>Session</th>
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<tr>
<td>9:40-10:20 am</td>
<td><strong>Keynote Speaker Dr. Jan Schwab</strong>, Professor, Department of Neurology, William E. Hunt, MD &amp; Charlotte M. Curtis Chair in Neuroscience, Ohio State University: <em>SCI disturbs elaborate interactions between the central nervous and immune systems</em></td>
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<td>10:20-10:40 am</td>
<td><strong>Dr. Randy Brutkiewicz</strong>, Professor of Microbiology &amp; Immunology, IU: <em>The CD1d/NKT cell innate immune axis in spinal cord injury</em></td>
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<td>10:40-11:00 am</td>
<td><strong>Coffee break</strong></td>
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<td>11:00-11:20 am</td>
<td><strong>Dr. Hyowon Hugh Lee</strong>, Assistant Professor of Biomedical Engineering, PU: <em>Towards self-clearing implantable biosensors for neurodegeneration research</em></td>
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<td>11:20-11:40 am</td>
<td><strong>Dr. Kelly Naugle</strong>, Assistant Professor of Kinesiology, IU: <em>The role of deficient pain modulatory systems and psychological factors in the development of chronic post-traumatic headaches following mild traumatic brain injury</em></td>
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<td>11:40-12:00 pm</td>
<td><strong>Dr. Yunjie Tong</strong>, Assistant Professor of Biomedical Engineering, PU: <em>Perfusion imaging biomarkers for traumatic brain injuries</em></td>
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<td>12:00-1:00 pm</td>
<td><strong>Lunch and Poster Viewing</strong></td>
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Afternoon Session:

Afternoon Section  **Chair: Dr. Riyi Shi**, Professor of Neuroscience & Biomedical Engineering, PU

1:00-1:40 pm  **Keynote Speaker Dr. David Prince**, Edward F. and Irene Thiele Pimley Professor in Neurology and The Neurological Sciences, Standford University: *Repair of sick interneurons and excitatory circuits in models of posttraumatic and genetic epilepsy*

1:40-1:55 pm  **Chandnee Chandrasekaran**, Graduate Student, Medicinal Chemistry & Molecular Pharmacology, PU: *Risk of synucleinopathy and comorbid neuropathology following traumatic brain injury*

1:55-2:10 pm  **Dr. Qi Han**, Postdoctoral Researcher, Neurological Surgery, IU: *Dissecting the descending motor circuitry for locomotor recovery after a rostral thoracic spinal cord injury*

2:10-2:30 pm  **Dr. Xiang Gao**, Research Assistant Professor, Neurological Surgery, IU: *Alleviate neurological disorder symptoms with neural circuitry management after traumatic brain injury*

2:30-2:50 pm  **Coffee Break**

2:50-3:10 pm  **Dr. Chongli Yuan**, Associate Professor of Chemical Engineering, PU: *The role of epigenetics in transmitting long-term health risk arising from traumatic injury*

3:10-3:30 pm  **Dr. Paula Monje**, Associate Research Professor, Neurological Surgery, IU: *Human Schwann cells: an FDA-approved cell product for autologous transplantation in spinal cord injury*

3:30-3:45 pm  **Edmond Rogers**, Graduate Student, Dept. of Biomedical Engineering and Basic Medical Sciences, PU: *TBI-on-a-chip: a novel tool for investigating the mechanisms of post-trauma neurodegeneration*

3:45-4:00 pm  **Dr. Xingjie Ping**, Postdoctoral Researcher, Anatomy & Cell Biology, IU: *Targeting neuroinflammation for preventing posttraumatic epilepsy*

4:00-4:20 pm  **Dr. Gaurav Chopra**, Assistant Professor of Analytical & Physical Chemistry, PU: *How does Microglia lose its function in the brain?*

4:20-4:30 pm  **Closing Remarks: Dr. Xiao-Ming Xu**, Mari Hulman George Professor of Neuroscience Research, Neurological Surgery, IU

4:30-6:00 pm  **Poster Session & Social Hour – Poster winners announced at 5:30 pm**
2019 IU/PU Joint Symposium on Spinal Cord & Brain Injury Research

Keynote Speaker

Dr. Jan Schwab, MD, PhD
Professor, William E. Hunt, MD & Charlotte M. Curtis Chair in Neuroscience
Ohio State University

“SCI disturbs elaborate interactions between the central nervous and immune systems”

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