

# 2019 IU/PU Joint Symposium on Spinal Cord & Brain Injury Research

November 1<sup>st</sup>, 2019

355 W. 16<sup>th</sup> St., Goodman Hall, 1030 Auditorium, Indianapolis, IN 46202

## Morning Session:

8:30-9:20 am	Registration & Continental breakfast
9:20-9:25 am	<b>Opening Remarks: Dr. Bruce Lamb</b> , Director of Stark Neuroscience Research Institute
9:25-9:30 am	<b>Opening remarks: Dr. Chris Rochet</b> , Director of Purdue Institute for Integrative Neuroscience
9:30-9:35 am	<b>Opening remarks: Dr. Anantha Shekhar</b> , Associate Vice President of Research and University Clinical Affairs, IU
9:35-9:40 am	<b>Opening remarks: Dr. Robert Pascuzzi</b> , Chair of Department of Neurology, IU
Morning Section	<b>Chair: Dr. Xiaoming Jin</b> , Professor of Anatomy, Cell Biology & Physiology, IU

<b>9:40-10:20 am</b>	<b>Keynote Speaker Dr. Jan Schwab</b> , Professor, Department of Neurology, William E. Hunt, MD & Charlotte M. Curtis Chair in Neuroscience, Ohio State University: <i>SCI disturbs elaborate interactions between the central nervous and immune systems</i>
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10:20-10:40 am	<b>Dr. Randy Brutkiewicz</b> , Professor of Microbiology & Immunology, IU: <i>The CD1d/NKT cell innate immune axis in spinal cord injury</i>
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10:40-11:00 am      **Coffee break**

11:00-11:20 am	<b>Dr. Hyowon Hugh Lee</b> , Assistant Professor of Biomedical Engineering, PU: <i>Towards self-clearing implantable biosensors for neurodegeneration research</i>
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11:20-11:40 am	<b>Dr. Kelly Naugle</b> , Assistant Professor of Kinesiology, IU: <i>The role of deficient pain modulatory systems and psychological factors in the development of chronic post-traumatic headaches following mild traumatic brain injury</i>
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11:40-12:00 pm	<b>Dr. Yunjie Tong</b> , Assistant Professor of Biomedical Engineering, PU: <i>Perfusion imaging biomarkers for traumatic brain injuries</i>
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12:00-1:00 pm      **Lunch and Poster Viewing**

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## Afternoon Session:

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

<b>1:00-1:40 pm</b>	<b>Keynote Speaker Dr. David Prince</b> , Edward F. and Irene Thiele Pimley Professor in Neurology and The Neurological Sciences, Stanford University: <i>Repair of sick interneurons and excitatory circuits in models of posttraumatic and genetic epilepsy</i>
1:40-1:55 pm	<b>Chandnee Chandrasekaran</b> , Graduate Student, Medicinal Chemistry & Molecular Pharmacology, PU: <i>Risk of synucleinopathy and comorbid neuropathology following traumatic brain injury</i>
1:55-2:10 pm	<b>Dr. Qi Han</b> , Postdoctoral Researcher, Neurological Surgery, IU: <i>Dissecting the descending motor circuitry for locomotor recovery after a rostral thoracic spinal cord injury</i>
2:10-2:30 pm	<b>Dr. Xiang Gao</b> , Research Assistant Professor, Neurological Surgery, IU: <i>Alleviate neurological disorder symptoms with neural circuitry management after traumatic brain injury</i>
<b>2:30-2:50 pm</b>	<b>Coffee Break</b>
2:50-3:10 pm	<b>Dr. Chongli Yuan</b> , Associate Professor of Chemical Engineering, PU: <i>The role of epigenetics in transmitting long-term health risk arising from traumatic injury</i>
3:10-3:30 pm	<b>Dr. Paula Monje</b> , Associate Research Professor, Neurological Surgery, IU: <i>Human Schwann cells: an FDA-approved cell product for autologous transplantation in spinal cord injury</i>
3:30-3:45 pm	<b>Edmond Rogers</b> , Graduate Student, Dept. of Biomedical Engineering and Basic Medical Sciences, PU: <i>TBI-on-a-chip: a novel tool for investigating the mechanisms of post-trauma neurodegeneration</i>
3:45-4:00 pm	<b>Dr. Xingjie Ping</b> , Postdoctoral Researcher, Anatomy & Cell Biology, IU: <i>Targeting neuroinflammation for preventing posttraumatic epilepsy</i>
4:00-4:20 pm	<b>Dr. Gaurav Chopra</b> , Assistant Professor of Analytical & Physical Chemistry, PU: <i>How does Microglia lose its function in the brain?</i>
4:20-4:30 pm	<b>Closing Remarks: Dr. Xiao-Ming Xu</b> , Mari Hulman George Professor of Neuroscience Research, Neurological Surgery, IU
<b>4:30-6:00 pm</b>	<b>Poster Session &amp; Social Hour – Poster winners announced at 5:30 pm</b>

**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**

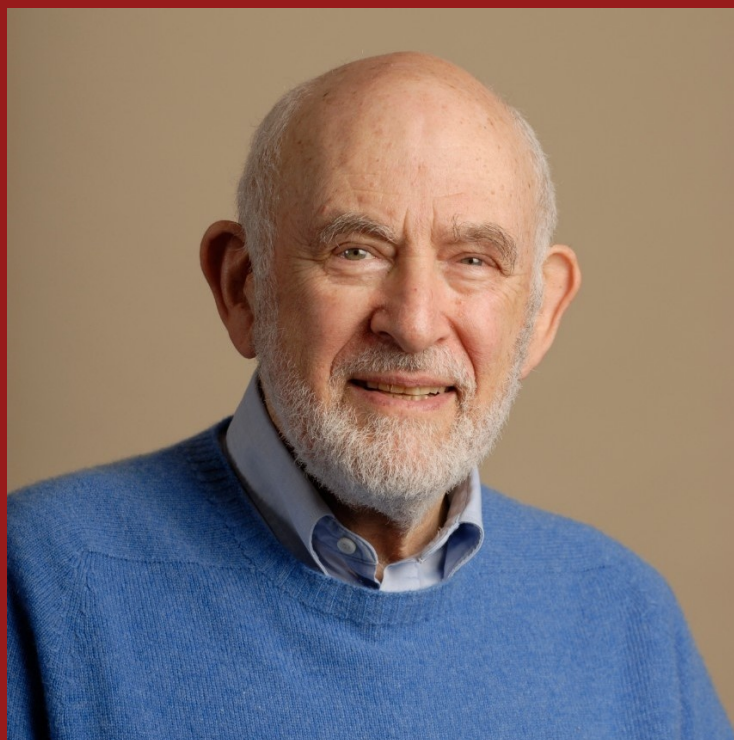
**Ohio State University**

**“SCI disturbs elaborate interac-  
tions between the central nerv-  
ous and immune systems”**

**Friday November 1st, 2019**

**2019 IU/PU Joint Symposium on Spinal  
Cord & Brain Injury Research**

**Keynote Speaker**



**Dr. David Prince, MD**

**Edward F. and Irene Thiele Pimley Professor in  
Neurology and Neurological Sciences**

**Stanford University**

**“Repair of sick interneurons and  
excitatory circuits in models of  
posttraumatic and  
genetic epilepsy”**

**Friday November 1st, 2019**