

## SCHEDULE

### September 8

**Topic:** Sodium channel Nav1.2 related autism and epilepsy: From mouse models to iPSCs models, and potential implications in TBI

**Speaker:** Yang Yang, PhD  
*Assistant Professor of Medical Chemistry and Molecular Pharmacology, Purdue University*

### September 22

**Topic:** Novel neurotechnologies for mapping brain circuit activity in health and disease

**Speaker:** Krishna Jayant, PhD  
*Assistant Professor of Biomedical Engineering, Purdue University*

### October 6

**Topic:** Neuroimaging of toxicity in humans: Neurotransmitters and metals

**Speaker:** Ulrike Dydak, PhD  
*Professor of Health Sciences; Director, Purdue Life Sciences MFRI Facility; Associate Director, Women's Global Health Institute, Purdue University*

### October 20

**Topic:** Identifying global targets of senescence and neurological diseases by functional proteomics

**Speaker:** Uma Aryal, PhD  
*Research Assistant Professor and Director, Proteomics Facility, Purdue University*

### November 3

**Topic:** Imaging neuroinflammation

**Speaker:** John Chen, MD, PhD  
*Co-Director, Institute for Innovation in Imaging; Associate Professor, Harvard Medical School; Radiologist, Massachusetts General Hospital*

### November 17

**Topic:** Brain multiphysics

**Speaker:** Antoine Jérusalem, PhD  
*Professor of Mechanical Engineering; Co-Director, International Brain Mechanics and Trauma Lab, Oxford University*

### December 1

**Topic:** Multimodal imaging approach to evaluate brain and spinal cord injuries

**Speaker:** Yunjie Tong, PhD  
*Assistant Professor of Biomedical Engineering, Purdue University*

FALL 2021

# SEMINAR FOR NEUROTRAUMA AND DISEASES

SPONSORED BY PLEXON NEUROTECHNOLOGY SYSTEMS

## DISTINGUISHED SPEAKERS



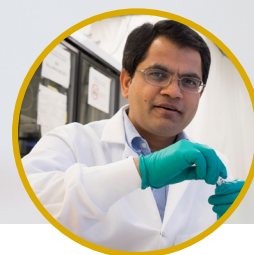
DR. YANG YANG



DR. KRISHNA JAYANT



DR. ULRIKE DYDAK



DR. UMA ARYAL



DR. JOHN CHEN



DR. ANTOINE JÉRUSALEM



DR. YUNJIE TONG

## JOIN OUR COMMUNITY

The Seminar for Neurotrauma and Diseases is sponsored by Plexon Neurotechnology Systems, a leading neuroscience technology company. This series caters to the vast neuroscience community here at Purdue, fostering collaborations and relationships locally, nationally and internationally.

Join CPR and our set of amazing speakers as we explore various facets of neurotrauma and diseases and build our community to make long-lasting impacts on neurotrauma research!

We want to acknowledge the generous support this event has been receiving from **Purdue Institute for Integrative Neuroscience** and **Purdue Institute for Drug Discovery**.

The series will take place on **Wednesdays from 4:00 p.m. - 5:00 p.m. EST** via Zoom link:  
<https://bit.ly/3mNID7v>

See more information at our website: <https://vet.purdue.edu/cpr/>

Contact us at [cpr@purdue.edu](mailto:cpr@purdue.edu)



Center for Paralysis Research

