

## UW IHDD Networking Day – May 12, 2025

### Event Schedule

- 9:00 – 9:25 AM: Coffee and Conversation
- 9:25 – 9:30 AM: Welcome and Introduction
- 9:30 – 11:00 AM: Lightning Talks
- 11:00 – 11:45 AM: Keynote Speaker – Dr. Dimitri Christakis
- 11:45 AM – 1:00 PM: Poster Session and Lunch
- 1:00 – 2:30 PM: Oral Presentations
- 2:30 PM: Closing Remarks

### Lightning Talks (9:30–11:00 AM)

- **Farhin Ahmed** – *Listening to the Infant Brain: Developing Brain-based Predictive Diagnostics for Language and Learning Difficulty in Neurodiverse Individuals*
- **Karis Casagrande** – *Developing a Data-driven Triage Process for Autism Evaluations*
- **Emily Du** – *Nicotinamide-loaded Peptoid Nanotubes for Energy Regeneration in Acute Brain Injury*
- **Baixi He** – *Effects of Environmental Modulations on Social Behavior: Insights from Zebrafish Models*
- **Swagatika Paul** – *Autism Gene BRSK2: Uncovering Its Role During Early Neurodevelopment and Disease.*
- **Katherine Prater** – *Microglial Gene Expression and Morphology Are Altered in Individuals Resilient to Alzheimer’s Disease*
- **Fallon Zollars** – *ANeW: Adult Neurodevelopmental Wellness Project: Restoring Justice-involved Adults with Intellectual and Developmental Disabilities (IDD) To Their Communities of Choice After Arrest*
- **Ting An Chen** – *Identifying Therapeutic Targets for PTEN-Related Neurodevelopmental Disorders*
- **Sydney Floryanzia** – *Organotypic Whole Hemisphere Brain Slice Model of Hypoxic Ischemic Brain Injury in Low-and Middle- Income Countries*
- **Gina Goble** – *Sibling Language Development Study: Understanding Infants At-risk for Developmental Language Disorder*
- **Daisy Hu** – *Characterizing Patients at the UW Medicine Adult Autism Clinic: A Retrospective Data Analysis*

The following presenters are recipients of the **2025-2025 IHDD Pilot Grant**.

**Acknowledgment of Support:** We appreciate **foundry10** and **IHDD** for their generous support of these pilot grants, helping to support early-career researchers in their pursuit of improving outcomes for individuals with intellectual and developmental disabilities.

- **Emily Neuhaus** – *Leveraging Early Developmental Assessments for Longitudinal Understanding of Neurodevelopmental Conditions*
- **Olivia Brandon** – *Using Rat and Ferret Organotypic Brain Slices to Investigate Pathways Associated with Species-Specific Resilience to Injury*
- **Tanya St. John** – *A Longitudinal Study of Executive Function and Brain Development in Autism from Infancy to School-age*
- **Michelle Guignet** – *Ensuring Safe Epilepsy Therapies in Pregnancy: Impact of Prenatal Antiseizure Medicine Exposure on Neurodevelopmental Outcomes*
- **Hannah Rea and Anika Ajwani** – *Better Access to BEST21*

**Keynote Speaker – Dr. Dimitri Christakis (11:00-11:45 AM)**

**Dimitri Christakis, MD, MPH** is the George Adkins Professor of Pediatrics at the University of Washington, Editor-in-Chief of JAMA Pediatrics, and Chief Health Officer at Special Olympics International. A leading pediatric researcher with over 275 publications, Dr. Christakis is internationally recognized for his work on early childhood development and health equity for individuals with intellectual and developmental disabilities.

**Poster Presentations (11:45 AM–1:00 PM)**

- **Susan Adelman** – *Expanding the Impact: Centering Lived Experience in Caregiver and Professional Partnerships*
- **Arian Ariaye** – *Alterations in Gyriification in Response to Hypoxic-ischemic Injury in A Nonhuman Primate Model*
- **Priya Beriwala** – *Impact of Antiseizure Medications on Neurodevelopment and Birth Outcomes in an Experimental Rodent Model*
- **Madelyn Carr** – *A Model of DYRK1A Syndrome Shows Protein Synthesis as a Mechanism of IGF-1 Mediated Rescue*
- **Neva Corrigan** – *Accelerated White Matter Tract Maturation in Adolescents Who Experienced the COVID-19 Pandemic Lockdowns*
- **Kate DiNucci** – *Prenatal Magnesium Sulfate Exposure is Not Associated with Different Neurodevelopmental Outcomes by Sex in Extremely Preterm Infants*
- **Karla Espinoza** – *Investigating Mechanisms of Hyperconnectivity in the Developing Brain Caused by Mutations in the Neurodevelopmental Disorder Risk Gene Pten*
- **Lorena Galvan** – *Patient and Language Resource Factors Associated with Neurodevelopmental Follow-up in Children with Congenital Heart Disease*
- **Simone Higgins** – *Caregivers Awareness of Behavior Intervention Supports in Preschool Children with Behavioral Challenges*

- **Hannah Hsieh** – *Parental Emotion Regulation Skills Predict Child Emotion Labeling Abilities in ADHD Parent-Child Dyads*
- **Shivani Jayaprakasam** – *Healing the Tiniest Minds: Exploring Azithromycin’s Region-Specific Neonatal Neuroprotection in a Ferret Model of Hypoxic-Ischemic Brain Injury*
- **Tracy Jirikowic** – *Families Moving Forward Bridges— An Early Intervention Model for Young Children with Prenatal Alcohol Exposure with or at Risk for FASD and Their Caregivers*
- **Nina Liu** – *Using Heart Rate to Predict Heart Dysfunction in Neonates Diagnosed with Hypoxic Ischemic Encephalopathy Treated with Therapeutic Hypothermia*
- **Emalise Mitchell** – *Descriptive Analysis of the Prevalence of Trauma-Related Symptoms with Prenatal Substance Exposures in a Diagnostic Clinic*
- **Bhavya Nandikanti** – *Personalized Intubation Neonate Safety (PINS) Bundle: Assessing Implementation and Impact in the University of Washington NICU*
- **Angelique Nguyen** – *Determining the Relationship between Temperament and Emotional Socialization in ADHD Parent-Child Dyads*
- **Lauren Perovsek** – *Screening for Prenatal Substance Exposure in Inpatient Pediatric Populations*
- **Olga Peskova** – *Relationships between Spectral Cues and Consonant Error Patterns in Pediatric Cochlear Implant Users*
- **Lili Phan** – *Investigating Intracranial Pressure as a Mechanism of Neuroprotection in Traumatic Brain Injury Using a Ferret Model Mimicking Valsalva-like Response*
- **Sofia Sumon** – *Inducing a Valsalva-like Response as a Neuroprotective Strategy in Traumatic Brain Injury*
- **Jonathan Vuong** – *Neurobehavioral Outcomes in Rat Offspring Exposed to Anti-Seizure Medication In Utero*
- **Ty Williams** – *Investigating the Role of TBCK in Rare Neurological Disorder*

#### **Oral Presentations (1:00–2:30 PM)**

- 1:00 PM – **Xinxian Deng** – *Neural Modeling and Molecular Study of a Rare Smc1a-linked Epilepsy in a Dish*
- 1:15 PM – **Lin-Ya Hsu** – *Construct Validity and Responsiveness of the GMFM-66-IS for Use with Infants and Toddlers at High Risk for Cerebral Palsy*
- 1:30 PM – **Ruby Jin** – *Screening Neuroprotective Therapies for Preterm Babies*
- 1:45 PM – **Mari Mazon** – *Increasing Washington’s CYSHCN’s Access to Quality Nutrition and Feeding Services: 35+ Years of Partnership with WA Department of Health’s CYSHCN Program*
- 2:00 PM – **Sara Neches** – *Assessment of the Impact of Gestational Xylitol Exposure on Early Neurodevelopmental Outcomes of Infants*
- 2:15 PM – **Megan Woods** – *Barriers and Facilitators to Neurodevelopmental Follow-Up Among At-Risk Newborns Across Washington State*

#### **Closing Remarks (2:30 PM)**