

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**.

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- **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 gyrification in response to hypoxic-ischemic injury in a nonhuman primate model*
- **Priya Beriwal** – *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** – *Cellular and Transcriptomic Signatures of Synergistic Neuroprotection by Therapies in the Ferret Preterm Injured Brain*
- 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*