

IHDD 2nd Annual Research Day – May 29, 2024

South Campus Center (SOCC 316)

9:00 am Welcome (Sunny Juul, Mark Harniss)

9:15-10:00am Keynote Address (Vittorio Gallo)

10:00 AM

Moderators: Sunny Juul, Kendell German

Bonnie Lau	Development of Neural Responses to Sound in Infancy
Kristie Bjornson	Cortical Processing in Cerebral Palsy: Influence of Orthotic Management
Fallon Zollars	Adult Neurodevelopmental Wellness Project: Restoring adults with Intellectual and Developmental Disabilities (IDD) to their communities of choice after arrest
Sarah Larsen	The Impact of Prenatal Cannabis Exposure on Postnatal Behavioral Outcomes

BREAK

11:00 AM

Moderators: Jen Gerdts, Tommy Wood

Josh Rosswork	A functional assay in zebrafish embryos distinguishes damaging from innocuous variants among those associated with risk for orofacial cleft
Hannah Rea	Characterizing Executive Functioning in Individuals with Dual-Specificity Tyrosine Phosphorylation-Regulated Kinase 1A (DYRK1A) Syndrome
Hui (Emily) Du	Nicotinamide-Loaded Nanopeptides for Energy Regeneration to Drive DNA Repair in Neonatal Brain Injury
Nuo Xu	Nano-formulated curcumin uptake and biodistribution in the fetal growth restricted newborn piglet brain

LUNCH (12-1pm)

1:00 PM

Moderators: Kim Aldinger, Swati Rane Levendovszky

Priyanka Kumari	Two non-coding variants associated with risk for orofacial cleft affect IRF6 expression in oral epithelial cells derived from iPSCs
Lin-Ya Hsu	Longer-term Effect of START-Play Intervention in Infants With Neuromotor Disorders: A Multisite Randomized Clinical Trial
Kate MacDuffie	“Now I have to act on that”: Parent views of a therapeutic odyssey following predictive autism diagnosis
Julie Bui	Word Segmentation and Communication in Children with and without Autism Spectrum Disorder: The GENDAAR Study

2:00 – 4:00 PM POSTER SESSION

In alphabetical order

Nicholas “Jake” Alexander	Racial Disparities in School Restraint and Isolation Use in Washington State in 2021-2022
Arian Ariaye	Gyrification and its Potential Contribution to Examine Neurological Conditions in Preterm Neonates
Shubham Bansal	Facial Memory and Social Responsiveness in Children with and without Autism Spectrum Disorder
Hannah Barton	Expressive Language Sample Concordance with ADOS-2 Scores: Autism, Down Syndrome, Fragile X Syndrome
Chelsea Bourmatnov	The Relation Between Sleep Quality, Alexithymia, and Anxiety to Social Functioning in Autistic Adults.
Olivia Brandon	Mechanistic Signatures of Synergistic White Matter Neuroprotection by Azithromycin and Erythropoietin in the Ferret
Lilas Brisk	Novel promoters for GNEM gene therapy
Ting An Chen	Convergent proteomic findings across models of autism and abnormal brain growth
Umikka Chopra	Micro-dystrophin codon optimization increases expression and vector production
Neva Corrigan	Effects of the COVID-19 Pandemic Lockdowns on Adolescent Brain Structure and Resting State Activity
Jennifer Dempsey	Adults with rhombencephalosynapsis: Defying expectations
Xinxian Deng	Neural modeling and molecular study of a rare SMC1A-linked epilepsy in a dish

Kate DiNucci	Incidence of Intracranial Hemorrhage in Extremely Preterm Infants at the University of Washington Neonatal Intensive Care Unit from 2013-2023
Jianyi Du	Contribution of RNA Splicing Defects to Joubert Syndrome, a Rare Genetic Condition
Esin Nur Erdogan	A severe clinical presentation associated with AUTS2: further delineation of the HX repeat domain-related phenotype
Inga Erickson	Intestinal dysbiosis alters seizure burden and antiseizure medicine activity profile in the Theiler's virus model of acute encephalitis
Michelle Guignet	Selection of initial antiseizure medicine does not predict pharmacoresistance in a preclinical model of drug resistant epilepsy
Barbara Henning	Comprehensive compendium of Joubert syndrome gene variants and associated phenotypes highlights genetic and phenotypic overlap in ciliopathies
Shivani Jayaprakasam	Evaluating the Neuroprotective Effects of Azithromycin Using a Ferret Model of Preterm Hypoxic-Ischemic Brain Injury
Sora Jo	Using a Ferret Model to Assess the Neuroprotective Effects of Externally-Stimulated Valsalva Response on Traumatic Brain Injury
Margaret Johansson	Social Skills in Adolescent Females with Autism Spectrum Disorder Versus Autism Spectrum Disorder+Attention-Deficit/Hyperactivity Disorder
Ruoyi Liu	The Effect of Age on NanoCurcumin Treatment for Hypoxia-Ischemia
Anjali P Patni	Inducing Maturation of Ameloblasts for Tooth Regeneration and Disease Modeling of Amelogenesis Imperfecta
Elli Prickett	Investigating the Relationship Between Parental Emotion Regulation and Emotion Socialization in ADHD Families
Shruthi Ravi	Heterogeneity in Social Communication Skills among Infants with a Higher Likelihood for Autism: An Exploratory Study using Latent Class Analysis
Anusree Ravooru	Investigating the Potential Effects of Gestational Age on Fine Motor Development in Infants
Larissa Robinson-Cooper	Loss of Presenilin 2 Function Increases Susceptibility to Kainic Acid-Induced Status Epilepticus and Chronic Neuropathology
Aya Sahib	Concordance of parent and clinician ratings of expressive language and receptive language in infants at low and high risk for autism: The WONDER Study
Natalie Snodgrass	Loneliness in Adults Impacted by DD During COVID-19 Pandemic

Andreea Stanescu	Effect of Age on Gyrfication in a Ferret Model of Hypoxic-Ischemic Brain Injury
Qian Wu	Acute Dose-Related Effect of Antiseizure Medicines on Open Field Exploration of Rats with Established Epilepsy