

Results of the WCHRI 2024 Research Day Presentations

WCHRI is pleased to have hosted our 17th Annual Research Day on November 6, 2024. WCHRI Research Day offers a highly-engaged learning and networking environment that showcases trainee research accomplishments in children's and/or women's health research.

Each trainee's presentation was scored by up to three members of the WCHRI Research Day Review Committee. Reviewers score in keeping with the presenter's research training. WCHRI would like to thank all of the presenters for their commitment to improving women and children's health through research. A listing of our Research Day awardees is provided below.

Finally, WCHRI would like to acknowledge the ongoing commitment and generosity of the Stollery Children's Hospital Foundation (SCHF) and the Alberta Women's Health Foundation (AWHF) for their support.

Listing of awardees

Presenter	Supervisor	Category	Abstract title
Zhiqian Jiang	Mager, Diana	Oral - Children's health and wellbeing: Nutrition	Dietary counselling using the gluten-free food guide is associated with improvements in diet quality in newly diagnosed children with Celiac Disease: Preliminary results from a randomized controlled trial
Meagan Shields	Newton, Amanda	Oral - Children's health and wellbeing: Mental health	Pharmacogenomic-guided antidepressant prescribing (PGx-GAP) in adolescent trial
Keatton Tiernan	Storey, Kate E	Oral - Indigenous health and wellbeing	Blazing the path from within: Understanding the impact of leadership experience on the educational attainment, employability, and holistic wellness of Indigenous youth mentors
Harry Wilton-Clark	Yokota, Toshifumi	Oral - Children's health and wellbeing: Cardiac care	The development of N-of-1 exon skipping therapy to treat a young boy with Duchenne Muscular Dystrophy
Cailin Hurd	Yang, Jaynie F	Oral - Children's health and wellbeing: Neurodevelopment	Parent-therapist partnership to ELEVATE gross motor function in children with perinatal stroke: Results of a randomized controlled effectiveness trial
Shrimanti Ghosh	Rakkunedeth Hareendranathan, Abhilash	Oral - Children's health and wellbeing: Musculoskeletal health	Automatic detection of bone fracture and upper extremity injury in pediatric wrist, and elbow ultrasound images using artificial intelligence

Amanda Almeida de Oliveira	Davidge, Sandra	Oral - Pregnancy and developmental trajectories	Maternal treatment with aspirin improves uterine artery function in a pre-clinical model of excessive hypercholesterolemia in pregnancy
Nicole Applin	Clugston, Robin	Oral - Pregnancy and developmental trajectories	Mesenchymal vitamin A signalling in diaphragm development: A novel mouse model to enhance understanding and improve outcomes in fetuses with Congenital Diaphragmatic Hernia
Amanda Lima Deluque	Alexander, R Todd	Oral - Lifelong women's health and wellbeing	Cldn12 and trpv6 double knockout mice maintain plasma Ca ²⁺ via a compensatory transcellular calcium pathway in proximal colon
Pooja Praveen Kumar	Lee, Cheng-Han	Oral - Lifelong women's health and wellbeing	Drug repurposing screen identifies Digoxin and Doxorubicin as an effective anti-cancer therapy for dedifferentiated endometrial and ovarian cancers
Haley Frerichs	Pin, Sophia	Poster - Undergraduate student (First Place)	Descriptive analysis of isolated tumour cells and recurrence risk in endometrial cancer patients treated with robotic laparoscopic surgery
Abigail Yohannes	Parent, Eric C	Poster - Undergraduate student (Second Place)	A systematic review of the effect of progressive weaning compared to sudden cessation on the outcomes of bracing in adolescents with idiopathic scoliosis
Alishba Humayun	Olson, David	Poster - Undergraduate student (Third Place)	Developing a fetal Inflammatory response syndrome model to assess multi-organ injury in neonatal mice
Patricia Oliva	Menon, Geetha	Poster - Master's student (First Place)	A deep-learning model for automatic contouring of critical organs in MRI-based cervical cancer brachytherapy: Improving treatments through artificial intelligence Applications
Olivia Sadilek-Thring	Clugston, Robin	Poster - Master's student (Second Place)	The sex-specific dysregulation of vitamin A homeostasis during iron deficiency in young Sprague-Dawley rats
Tanin Shafaati	Ussher, John Edward	Poster - Master's student (Third Place)	Increasing circulating ketones has minimal impact on the cardiac abnormalities present in a mouse model of Barth syndrome
Rebecca Reif	Hemmings, Denise G	Poster - PhD student (First Place)	Chondroitin sulfate A (CSA) levels are increased in the intervillous space of the placenta in malaria infections
Bethan Wilson	Riddell, Meghan	Poster - PhD student (Second Place)	Comparing the endothelial genetic signature alterations and vascular structural changes in the non-pregnant human endometrium and across the first trimester

Ehsan Misaghi	Kannu, Peter	Poster - PhD student (Third Place)	Investigating PIKFYVE variants in developmental ocular disorders
Murilo Graton	Davidge, Sandra	Poster - Post Doctoral Fellows	Impact of excessive hypercholesterolemia during pregnancy on vascular function in the adult offspring
Henry Li	Ali, Samina	Poster - Residents/ Sub-speciality Resident	We are not the cause: emergency department opioid prescribing and opioid use disorder in Albertan adolescents

WCHRI does not provide feedback for this opportunity.