

RESIDENT & FELLOWS RESEARCH DAY

Thursday
November 13, 2025

8:45am to 4:30pm
Conference Centre
4th Floor

Alberta Children's Hospital



UNIVERSITY OF CALGARY
CUMMING SCHOOL OF MEDICINE



Alberta Health
Services

Program Schedule

Time	Location	Event	
08:30	Coffee and Pastries		
08:45-09:00	Conference Room 3	ENRICH Program	Dr. Marinka Twilt
09:00-09:15		ACHRI Trainee Association	Anamika Choudhary
09:15-09:30		Clinician Investigator Program	Dr. Amelia Srajer
09:30-10:30		Keynote Presentation: My Academic Journey: Serendipity, sparks of joy and struggles	Dr. Serena Orr
10:30-10:40	Break		
10:40-11:30	Rooms A, B, & C <i>Please follow signage</i>	Digital Poster Presentations Session 1 See page 4 for individual presentations	
11:30-11:40	Break		
11:40-12:40	Rooms A, B, & C <i>Please follow signage</i>	Digital Poster Presentations Session 2 See page 5 for individual presentations	
12:40-13:35	Lunch		
13:35-14:35	Rooms A, B, & C <i>Please follow signage</i>	Senior Digital Poster Presentations Session 3 See page 6 for individual presentations	
14:35-14:45	Break		
14:45-16:15	Conference Room 3	Senior Oral Presentations See page 7 for individual presentations	
16:15	Closing Remarks		

Keynote Speaker



Serena Orr

MD, MSc, FRCPC, FAHS
Associate Professor
Departments of Pediatrics
University of Calgary
Alberta Children's Hospital

Dr. Serena Orr is a pediatric neurologist with a subspecialty in headache medicine and the director of the pediatric headache program at the Alberta Children's Hospital in Calgary, Alberta, Canada. She is also an associate professor in the Departments of Pediatrics, Clinical Neurosciences, and Community Health Sciences in the Faculty of Medicine at the University of Calgary, and a clinician-scientist at the Alberta Children's Hospital Research Institute and the Hotchkiss Brain Institute at the University of Calgary. She has a strong interest in clinical research and is particularly interested in the acute treatment of migraine, in novel technology-based treatment solutions for migraine, and in understanding psychosocial factors that impact migraine in children and adolescents.



To complete the evaluation for Research Day please scan this QR code:

Digital Poster Presentations Session 1			
Time	Group 1A Gerry Giesbrecht Room A	Group 1B Serena Orr Room B	Group 1C Jennifer Thull-Freedman Room C
10:40 – 10:50	Ben Campbell What shapes Canadian medical residents' involvement in classroom-based undergraduate medical education?	Rhea Yumul-Lopez Maternal Insulin Use in Gestational Diabetes and Risk of Necrotizing Enterocolitis in Preterm Infants: A Retrospective Study	Claire Donnici Resting-state functional magnetic resonance imaging in moderate to late preterm infants and associations with motor development at 2 years.
	Peeraya Amnucksoradeja Comparative Effectiveness of Indomethacin, Ibuprofen, and Acetaminophen for the Management of Hemodynamically Significant Patent Ductus Arteriosus in Preterm Infants ≤29 Weeks: A Retrospective Cohort Study	Alya Al Mubaihsi Impact of Biologic Therapy on Systemic Steroid Exposure in Pediatric Severe Asthma	Blessing Adeagbo Genes in Practice: Bridging Science, Community, and Care in Rural Southwestern Uganda
10:50 – 11:00	Anthony Pokhoy Is the Use of Hyaluronic Acid Injections effective in Athletes with Patellar Tendinopathy?	Adrian Teare Evaluating a new phenobarbital order set for management of alcohol withdrawal syndrome in the emergency department: a retrospective cohort implementation study	Jasmin Majumdar More than a score: Exploring Student Reactions to Feedback Framing in Medical Education
	Rachel Fagan Core outcome sets in acute pediatric pain: State of the current literature	Maisan Alaskar Do early choices matter? Cyclophosphamide vs. Mycophenolate in pediatric lupus nephritis	Kara Vanden Broek Phenotypic delineation of individuals with rare de novo variants in ZBTB10
11:10 – 11:20	Hina Ali Predicting Bronchopulmonary Dysplasia in Extremely Preterm Infants who did not receive invasive respiratory support in the first week of life	Jane Gargulis Pain, Pain Go Away: Evaluating the time to disease flare in JIA with different intra-articular steroid injections	Jade Chow Exploring parental attitudes towards measles vaccination and disease for pediatric patients infected with measles: A qualitative phenomenological study

Digital Poster Presentations Session 2			
Time	Group 2A Gerry Giesbrecht Room A	Group 2B Brent Hagel Room B	Group 2C Jennifer Thull-Freedman Room C
11:40 – 11:50	Abdulrahman Almazayad	Sarah O'Neill	Maryam Al Battashi
	Does the NICHD Bronchopulmonary Dysplasia (BPD) Estimator Predict Mortality and BPD Severity in Extremely Preterm Infants Admitted to Foothill Medical Centre in Southern Alberta	Hypogammaglobulinemia in pediatric acute lymphoblastic leukemia (ALL) in the era of Blinatumomab: a multi-center Canadian study	Longitudinal Impact of CFTR Modulators on Pancreatic Function in Children with Cystic Fibrosis: Alberta Children's Hospital Cohort
11:50 – 12:00	Cassidy Chapman	Ahmed Alsaleh	Ethan Pichlyk
	Trends in the Management and Clinical Outcomes of Pediatric Bacterial Cervical Lymphadenitis at Alberta Children's Hospital: A Two-Decade Retrospective Review	From Image to Dialogue: Experiences and Challenges of Healthcare Providers in Disclosing Abnormal Neonatal MRI Findings, A Qualitative Study	The Recognition Gap: Assessing Timely Physician Identification of Malnutrition in Pediatric Inpatients at the Alberta Children's Hospital
12:00 – 12:10	David Yang	Anum Rahman	Samantha Pawer
	Incidence of post-injection pain flares after first carpometacarpal steroid injections: a prospective cohort study protocol	Association Between Arginine Supplementation and Neurodevelopmental Outcomes in Premature Infants	Pediatric Asthma Diagnosis Settings Across Rural and Urban Alberta Before, During, and After the COVID-19 Pandemic
12:10 – 12:20	Emelie Kozak	Sierra Casey	Fasika Jembere
	Exploring best practices in obtaining informed consent for in-hospital pediatric procedures from patients/families with limited English proficiency: A scoping review	A comparison of clinical practice guidelines for the diagnosis and treatment of Mycoplasma pneumoniae infection in children and adolescents	The Alberta Children's Hospital Vaccine Hesitancy Clinic: A Retrospective Evaluation
12:20 - 12:30	Adalet Bugra	Rahima Al Ismaili	Samir Gouin
	Caffeine Use Among Moderate and Late Preterm Infants in Canadian Tertiary Neonatal Intensive Care Units: A Multicentre Retrospective Cohort Study	Seasonal Immunization and Nephrotic Syndrome Relapse: Current Knowledge and Future Directions	Topical vs. Oral Analgesia for Children's Ankle and Knee Sprains: A Survey of Canadian Pediatric Emergency Physician Practices and Perceptions
12:30 - 12:40	Alexis Miskiewicz-Tomaszyk	Alicia Kanngiesser	Myra Chen
	Risk factors for Cerebral Palsy in Moderate-Late Preterm Infants	Core outcome set in acute pediatric pain: Equity reporting	BPAP Adherence in Medically Complex Young Adults Following Transition to Adult Health Care

Senior Digital Poster Presentations Session 3			
Time	Group 3A Gerry Giesbrecht Room A	Group 3B Brent Hagel Room B	Group 3C Jennifer Thull-Freedman Room C
13:35 – 13:45	Surina Grover	Madeleine Sumner	Lan Truong
	Prevalence and Risk Factors for Refeeding Syndrome in Diabetic Ketoacidosis	Predicting Persistent Vomiting among Children with Acute Gastroenteritis: A Multicenter Prospective Cohort Study	Fruit for Down Under from Down Under: Palatability and Acceptability of Actazin (kiwifruit tablets) for Treatment of Functional Constipation in Children >4 years
13:45 – 13:55	Preet Walia	Nikki Nguyen	Hannah Lee
	Barriers to Research Participation during Inpatient Admissions at Alberta Children's Hospital	Patient-reported outcomes and measures in the follow-up of children with obstructive sleep apnea: A scoping review update	Point-of-Care Ultrasound (POCUS) Use in Pediatric Hospital Medicine: A National Needs Assessment Survey
13:55 – 14:05	Lemia Ismael	Maha Bactor	Sejal Patel
	Sugar Highs and Metal Lows: Uncovering Hidden Struggles an Adolescents with Type 1 Diabetes	Carboxyhemoglobin and Methemoglobin levels in the first week of life in preterm infants less than 30 weeks' gestation and the risk of Bronchopulmonary Dysplasia: A Retrospective Cohort Study	Predictors of newborn readmission: a case-control study of late preterm and term neonates in a Canadian urban center
14:05 – 14:15	Abbey Pagee	Jessica Tomasi	Tariq Vira
	Shaping Skills: How does a 3D -printed model for intubation compare to a traditional manikin?	SAFETY BY DESIGN: using Human Factors to understand and prevent medication errors in the PICU	Transcriptomics informing therapy in Inflammatory Bowel Disease (IDB)
14:15 - 14:25	Sugee Korale Liyanage	Demi Murphy	Ruth Legese
	Who is wheezing? Prevalence and characteristics of refugee children with asthma in Calgary	Incidence of Radiological Findings Suggestive of Inflammation Proximal to Major Vessels Following Endoscopic Removal of Impacted Esophageal Button Batteries as Detected on the 24-48 hour and day 10-14 MRI and Clinical Predictors of these Imaging Findings in an Albertan Pediatric Population	Advancing Equity in Pediatric Healthcare: Collection of Disaggregated Social Determinants of Health Data in Canadian Electronic Health Records
14:25 - 14:35	Michael Wang		Krithika Rajan
	Comparing the growth of infants with and without bronchopulmonary dysplasia after discharge from the NICU		Congenital Syphilis—a silent resurgence: a retrospective study

Senior Oral Presentations

Judges: Jennifer Thull-Freedman, Gerry Giesbrecht, Chad Bousman
Conference Room 3

Time	Resident	Title
14:45-15:00	Chidera Nwaroh	Exploring Digital Storytelling as a Psychosocial Support Tool for Caregivers of Children with Pediatric Intestinal Failure: A Pilot Project
15:00-15:15	Emily Dragoman	Do Lectures Work? Evaluating Preferred Study Methods of Pediatric Residents and the Perceived Effectiveness of Lecture-Based Learning
15:15-15:30	Fady Dawoud	Comparative Effectiveness of Monotherapy versus Polytherapy for Neonatal Seizure Control: A Retrospective Cohort Study
15:30-15:45	Siobhan Wong	Addressing Barriers Newcomer Families Face When Obtaining Routine Childhood Vaccines in Alberta, Canada
15:45-16:00	Amy Bobyn	Considering the caregivers: Evaluating the impact on adult caregivers of family-based treatment for childhood obesity
16:00-16:15	Hannah Byles	Effectiveness of the HEADS-ED screening tool in predicting need for admission in children seeking emergency department care with acute mental health concerns
16:15	Closing Remarks	

To complete the evaluation for Research Day please scan this QR code:



Research Course Committee

Course Committee Members: Dr. Jennifer Thull-Freedman
Dr. Gerry Giesbrecht
Dr. Serena Orr

Course Coordinators: Jolene Haddad
Breanne Steele

Presented in Partnership with:

Alberta Children's Hospital



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