Monday, November 30
9 am – 3 pm
Our second annual ACHRI Child Health and Wellness Retreat is beginning just as this newsletter arrives in your inbox! Here’s to a day of fantastic presentations! It’s not too late...register here.

PUBLICATIONS
Effective treatments in emergency care

Dr. Stephen Freedman, MD, is senior author of research published in JAMA that shows nebulized magnesium with albuterol doesn't significantly decrease the hospitalization rate for children with acute asthma within 24 hours. "The therapy has been proposed as a way to prevent hospitalization while avoiding intravenous therapies. The findings do not support use of this treatment in emergency care," says Freedman. The Pediatric Emergency Research Canada (PERC) network led the study with a team including Drs. Graham Thompson and David Johnson, pediatric emergency medicine physicians at the Alberta Children's Hospital. Freedman holds the Alberta Children's Hospital Foundation Professorship in Child Health and Wellness.

Improved statistical power to find novel genes

Dr. Quan Long, PhD, is senior author of research that shows integrating kernel machine with transcriptome-wide association improves statistical power and reveals novel genes. The research is published in Oxford's Briefings in Bioinformatics. Through extensive simulations, the research team demonstrated that kTWAS has higher power than TWAS and multiple SKAT-based protocols. It also identified novel disease-associated genes in the Wellcome Trust Case Control Consortium and MSSNG Autism sequence data. Dr. Chen Cao, a postdoctoral fellow and the first author, is supported by an ACHRI scholarship.
CANDY CANE GALA IN DAYS!

Candy Cane Gala - Friday, December 4
Just days away!
Child and Health Wellness researchers are invited to attend the 14th annual event in support of child-focused programs, leading-edge equipment and innovative research. See you there! Details

NEW MEMBER

Dr. Dennis Bulman, PhD, FCCMG, FACMG, is joining the Precision Medicine & Disease Mechanisms program. Bulman is the Medical & Scientific Director, Genetics & Genomics at Alberta Public Laboratories and a professor in the departments of Medical Genetics and Pathology & Laboratory Medicine. Bulman's research identifies genes for rare genetic disorders, translates these discoveries to the clinic and implements new molecular testing paradigms for newborn screening. Welcome Dr. Bulman!

RESEARCH OPPORTUNITIES
Child care survey
The CSM and Alberta Health Services want to better understand the childcare needs of staff, physicians and learners at the Foothills Medical Centre and the UCalgary Foothills campus to help address your specific childcare challenges. Please complete this survey by Dec. 6 about your current and future needs.

NEW Canada Foundation for Innovation (CFI) Test your Concept
The VP Research team is beginning internal preparations for the next CFI round with an opportunity to Test Your Concept to offer early, constructive feedback and recommendations to teams considering this opportunity. The first set of sessions will be held before the holiday break and will be available on a first-come, first-served basis. Learn more

NEW Alberta SPOR - Patient Engagement rolls out new program
Dr. Maria Santana, PhD, is the provincial lead of the patient engagement program at the Alberta Strategy for Patient Oriented Research Support (SPOR). Santana is introducing a new level of engagement to help researchers with patient-oriented research. If you would like support in your research studies, please contact Dr. Santana or visit the SPOR Support website.

GRANT OPPORTUNITIES
Alberta Innovates: Accelerating Innovations into CarE (AICE) – Concepts Program
Registration deadline December 7
Award: $600,000
Details

Department of Pediatrics Innovation Award competition
Intent to apply deadline Thursday, December 17
Details
Information session Monday, December 7, 8 - 8:30 am
Register
Questions? Contact Nicole Romanow

CALENDAR OF EVENTS
Owerko Centre Neurodevelopmental Rounds
December 2, Noon - 1 pm
Dr. Svenja Espenhahn, PhD Associate, and Ishita Moghe, Master’s student
*Sensory-Motor Responses in Children on the Autism Spectrum*
Register

**Child Health and Wellness Seminars**
December 7, 8:30 - 9:30 am
Dr. Aru Narendran, MD, PhD
*The Eighth Childhood Immunization: Pediatric Cancer Vaccines*
Register
For all events, visit the ACHRI [calendar](#)

**COVID Corner presented by CME & PD**
Panelists: Dr. Deena Hinshaw MD, Dr. Jim Kellner MD, and Dr. John Conly MD
*Lessons learned and moving forward*
December 2, 7 - 9 pm
Register

**CANADIAN CHILD HEALTH CLINICIAN SCIENTIST PROGRAM (CCHCSP)**

**Certificate Eligible Sessions**
Noon - 1:30 pm
Tuesday, December 15
**Paper writing - Qualitative research**
Dr. Gina Dimitropoulos, PhD
Register by emailing Ruth.Fermin@ahs.ca

**COVID-19 RESPONSE**
*Key resources: Dashboard of cases on campus*
On Tuesday, November 24, 2020, the Government of Alberta declared a state of public health emergency. At that time the province announced new restrictions for areas where COVID-19 is prevalent within the community including Calgary. [Learn more](#).

---

Do you have news to share? Please email laherper@ucalgary.ca
Visit us: research4kids.ucalgary.ca

You are receiving this newsletter because you are a student, faculty, staff, alumni, donor or partner of ACHRI.