



SEPTEMBER 13, 2022



CELEBRATING 100 YEARS OF ALBERTA CHILDREN'S HOSPITAL



Research is Care. Care is Research.

We are sharing the pride, vision and excitement for all that our research community has and will continue to achieve in the years to come.

CONNECT WITH US

We invite you to share your stories of research excellence as we celebrate the Alberta Children's Hospital **100 years of hope + healing**.

Researchers and trainees, please email fiona.mackenzie@ucalgary.ca to set up a short interview. Stories will be shared in the newsletter and across social platforms throughout 2022.

HUMANITARIAN AWARD

Congratulations to **Dr. Nalini Singhal** who received the **2022 Royal College Teasdale-Corti**



Humanitarian Award. The award honours doctors bringing hope and health services to people who lack access to widespread health care.

Dr. Singhal has dedicated her career to giving countless newborns the chance to live longer, healthier lives. With colleagues in the American Academy of Pediatrics, Dr. Singhal helped develop Helping Babies Breathe, an educational program for resuscitating newborns that has been implemented in over 90 countries.

Dr. Singhal has also worked to develop complementary programs, including Essential Care of Every Baby and the Kangaroo Mother Care Program supporting maternal, newborn and childcare around the globe. The success of these programs led the World Health Organization to adapt the programs with Dr. Singhal's involvement. Dr. Singhal "has travelled far and wide, including to many difficult to reach communities, bettering her understanding of barriers faced in different settings to develop new adaptations and ensure 'no newborn is missed,'" says Dr. Jenn Brenner. [Read more.](#)

CANADIAN ACADEMY OF HEALTH SCIENCES

We are so proud to share that two ACHRI members, **Dr. Stephen Freedman** and **Dr. David Nicholas**, were inducted into the **Canadian Academy of Health Sciences** (CAHS) this summer. CAHS fellows are selected from disciplines across the range of health sciences and collaborate to evaluate Canada's most complex health challenges and recommend strategic, actionable solutions.



Courtesy of Pamela Hyde, Office of the Vice-President (Research):

Dr. Stephen Freedman is a professor of paediatrics and emergency medicine. He is the Alberta Children's Hospital Foundation Professor in Child Health and Wellness and the associate dean, clinical trials at UCalgary. Dr. Freedman's research focuses

on applying clinical research to improve outcomes in children seeking emergency department care. He has dedicated his career to optimizing the care provided with children with acute infectious gastroenteritis and has led national and international studies of COVID in children.

Dr. David Nicholas is the Associate dean, research and partnerships, and professor in the Faculty of Social Work and cross appointed to the Department of Paediatrics, Faculty of Medicine and Dentistry at the University of Alberta. Dr. Nicholas is renowned for work on Autism Spectrum Disorder (ASD) and neurodevelopmental disability. For 20 years, he has led multiple national and international studies advancing vocational engagement of individuals and quality of life for individuals and families impacted by neurodevelopmental disability and complex health care needs, with a focus on ASD. These include national initiatives that advance engagement of youth and adults with neurodevelopmental disabilities in vocational development and employment. [Read more.](#)

COLLEGE OF NEW SCHOLARS, ARTISTS & SCIENTISTS

Congratulations to **Dr. Melanie Noel** on being selected by the Royal Society of Canada to join the **College of New Scholars, Artists and Scientists**, Canada's national system of multidisciplinary recognition for the emerging generation of Canadian intellectual leadership.

Courtesy of Pamela Hyde, Office of the Vice-President (Research):

Dr. Noel is an associate professor in the Department of Psychology, holds the Killam Memorial Emerging Leader Chair and is an internationally renowned expert on children's acute and chronic pain. She applies a transdisciplinary, integrative approach to science that unifies methods across psychology, neuroscience, genomics, and medicine. Dr. Noel has published guiding conceptual models of children's pain memory development, co-occurring PTSD and chronic pain, and fear-avoidance. [Read more.](#)



THAT'S A WRAP: SUMMER STUDENT SYMPOSIUM



Above: Award Winners (Left to Right): Aliza Jaffer, Tessa Chomistek, Anna Ramirez, Anastassiya Tregubenko, Aidan Pagador and Jordan Hassett.

Congratulations to all those who presented their summer research at the **ACHRI-HBI-Owerko Centre Summer Student Research Symposium** on August 23! HBITO and ACHRI-TA organized this in-person event which had over 200 attendees from a great range of faculties across campus. The keynote speaker, **Dr. Morris Scantlebury**, had an inspiring talk about pediatric epilepsy research, specifically in the development and characterization of animal models of pediatric epilepsy syndromes. Sending a big congratulations to the award and social media winners! We can't wait to see more summer student research next year.

JOURNAL CLUB: PEDIATRIC HEALTH AND NEURODEVELOPMENT

This journal club will review clinical, basic and translational research studies aimed at better understanding child development and improving the health and wellness of children living with neurodevelopmental disorders using innovative technologies such as neuroimaging, brain stimulation, robotics, machine learning, computational neuroscience, neurological/psychiatric applications in a clinical setting.

The journal club is open to all undergraduate, graduate, and postdoctoral fellows interested in pediatric health and neurodevelopment.

Alternating Thursdays, 12 - 1 pm, Zoom
Starting the week of September 19 or 26

Organizer Contacts:

jessica.youngblood@ucalgary.ca and mohammad.ghasoud@ucalgary.ca

PUBLICATION: COVID-19 VACCINE IN PREGNANCY

A new study led in Alberta by **Dr. Jim Kellner** and **Dr. Otto Vanderkooi** further demonstrates COVID-19 mRNA vaccines are safe during pregnancy. The study, **Safety of COVID-19 vaccines in pregnancy: a Canadian National Vaccine Safety (CANVAS) network cohort study** published in *The Lancet Infectious Diseases*, is one of the first to compare vaccine side effects between a vaccinated pregnant group, an unvaccinated pregnant group, and a vaccinated non-pregnant group.

The study used data from the CANVAS-COVID Network, an observational cohort of ~90,000 participants from Ontario, Quebec, BC, Alberta, Nova Scotia, Yukon and PEI. This data can be used in combination with previously published data to provide accurate information to pregnant people receiving COVID-19 vaccines. “The study provides reassuring evidence that COVID-19 mRNA vaccines are safe in pregnancy, with lower rates of significant adverse events following immunisation in pregnant people than non-pregnant vaccine recipients for both mRNA vaccines used in Canada, after dose one and dose two,” says Dr. Kellner.

PUBLICATION: FAMILY PRESENCE IN CANADIAN PICU'S

In the family-centred care models embraced by Canadian Pediatric ICUs, families are seen as core members of the health care team. Two new studies co-led by **Laurie Lee** and team explores family presence in Canadian Pediatric ICU (PICUs).

Published in JBI Evidence Synthesis, **Outcomes associated with family presence at the bedside of critically ill children in the pediatric intensive care unit: a scoping review protocol**, identified the outcomes of family presence at the bedside of critically ill children in PICUs. Further work, **Family presence in Canadian PICUs during the COVID-19 pandemic: a mixed-methods environmental scan of policy and practice**, explored family presence policies and practices in Canadian PICUs from March to May 2020, and their evolution by August to December 2020. These publications provide important groundwork for further studies to understand how to best support a child and their family admitted to the PICU.

SAVE THE DATE: CHILD HEALTH AND WELLNESS RESEARCH RETREAT



Mark your calendars!

The Child Health and Wellness Research Retreat will be on **Thursday, December 15 and Friday, December 16, 2022** at MacEwan Conference and Event Centre at the University of Calgary. More details coming soon.

GRANT OPPORTUNITIES

CIHR Catalyst Grant - Standards for Children and Youth Mental Health Services

This opportunity supports projects that focus on standards or guiding principles in mental health and/or substance use health services, including virtual delivery of care,

for children, youth, and young adults. Research relevant to the workforce or providers in these sectors is also applicable.

Deadline: Monday, September 19, 2022 (RSO Internal)

[Details](#)

SSHRC - Insight Grant Fall 2022

This program supports research excellence in the social sciences and humanities.

Funding is available to both emerging and established scholars for research

initiatives of two to five years responding to the objectives of the [Insight Program](#).

Deadline: Wednesday, September 28, 2022

[Details](#)

CIHR Catalyst Grant: Policy Research for Health System Transformation

This opportunity supports Policy Research for Health System Transformation grants that generate evidence to inform macro-level policies to support high-performing health care and public health systems in Canada.

Deadline: Thursday, September 29, 2022 (RSO Internal)

[Details](#)

Department of Pediatrics Innovation Award

This award supports groups engaged in small, impactful, innovative projects. Project leads and their teams will submit a short project outline in alignment with key themes.

Those selected to pitch their projects will prepare a 7-10 minute presentation.

Deadline: Monday, October 3, 2022

[Details](#)

OPTions Initiative - Next Generation Methods

This program supports proposals related to women's, girls', and people with diverse sexual and gender identities' access to safe abortion in low- and middle-income countries.

Deadline: Friday, October 14, 2022 (NOI)

[Details](#)

Operating Grant: Diabetes, Psychosocial Health, Prevention and Self-Management

This program supports research that builds on successful models of care, knowledge mobilization, and optimization of self-management for T1D and T2D.

Deadline: Thursday, October 27, 2022 (RSO Internal)

[Details](#)

CIHR THINC Implementation Science Team Grant

This opportunity aims to improve our understanding of how to implement, evaluate, adapt and/or scale evidence-informed integrated care and intervention policies.

These policies should encompass intersectoral collaborations within and/or beyond the formal health care delivery system.

Deadline: Thursday, November 24, 2022 (RSO Internal)

[Details](#)

Visit ACHRI [website](#) for funding opportunities.

TRAINEE FUNDING OPPORTUNITIES

T. Chen Fong Postdoctoral Fellowship in Medical Imaging

This fellowship supports research that focuses on: 1) the development or implementation of imaging science with relevance to medical imaging applications, or 2) a broader range of imaging applications with a potential link to medical imaging.

Deadline: Thursday, September 15, 2022

[Details](#)

CIHR Fellowship: Health Research Training Strategy

This fellowship aims to equip trainees so that they emerge from their training as scientific, professional, or organizational leaders within and beyond the health research enterprise.

Deadline: Thursday, September 29, 2022 (RSO Internal)

[Details](#)

Owerko Centre Early Career Investigator Grant

This award enables early-career investigators to conduct research aligned with the Owerko Centre mandate of advancing neurodevelopment and child mental health. This grant can be used to collect preliminary/pilot data or to extend current work where funding for exploratory or novel studies is limited. This grant supports fellows and research associates to launch the next independent phase of their career.

Deadline: Friday, September 30, 2022

[Details](#)

ACHRI Postdoctoral Fellowship Award

For details on this and other awards of ACHRI STEP, please visit the [ACHRI Trainee Funding](#). Please contact Julia Klenin-MacLock (jklenin@ucalgary.ca) and Laurel Ryan (laurel.ryan@albertahealthservices.ca) with any questions.

Deadline: Monday, October 3, 2022

Azrieli Child-Bright Fellowship Program

This opportunity supports postdoctoral researchers working on implementation science research projects and programs mobilizing knowledge to action in support of children with brain-based developmental disabilities and their families.

Deadline: Wednesday, October 12, 2022 (RSO Internal)

[Details](#)

Visit ACHRI [website](#) for trainee funding opportunities.

If you haven't done so please complete the [ACHRI Trainee Registration Form](#).

EVENTS AND SEMINARS

Neonatal Grand Rounds

Could the fetal exposure to maternal epidural analgesia in labor be associated with an increased risk for neonatal respiratory distress?

Tuesday, September 13, 2022

4 - 5 pm

Dr. Manoj Kumar

[Register](#)

Paediatric Grand Rounds

Improving Outcomes in Children with Shiga Toxin-Producing E. Coli Infection – Evaluating Two Clinical Care Pathways

Wednesday, September 14, 2022

8:30 - 9:30 am

Dr. Stephen Freedman & Dr. Silviu Grisaru

[Register](#)

Child Health and Wellness Seminar

Harnessing the power of human milk to mitigate the effects of early life exposures on child health

Monday, September 19, 2022

8:30 - 9:30 am

Dr. Merilee Brockway

[Register](#)

Alberta SPOR SUPPORT Unit (AbSPORU)

Fall 2022 Patient Engagement in Patient-Oriented Research Certificate

Monday, September 19, 2022 - Monday, December 2, 2022

[Register](#)

Neonatal Grand Rounds

Long-term outcome in infants with neonatal encephalopathy due to presumed hypoxia-ischemia

Tuesday, September 20, 2022

4 - 5 pm

Dr. Linda S de Vries

In-person and virtual

Coombs Lecture Theatre, Foothills Medical Centre

[Register](#)

Calgary Neonatal Neuro-Critical Care Program

Neonatal Cranial Ultrasound Course

Wednesday, September 21 - Friday, September 23, 2022

MacEwan Conference and Event Centre

[Register](#)

Dr. Jay Cross Developmental Biology Symposium

Friday, September 23, 2022
9:30 am – 3:30 pm
Theatre 3, Health Sciences Centre, Foothills Campus or via Zoom
[Register](#)

Dr. Jay Cross Retirement Reception
Friday, September 23, 2022
3:30 – 5 pm
HRIC Atrium, Foothills Campus
Registration deadline extended to September 15

Child Health and Wellness Seminar
CAHN-EDIT-CD3Delta: Correction of Autologous HPSC's with Novel Adenine Base Editing in CD3Delta
Monday, September 26, 2022
8:30 - 9:30 am
Dr. Nicola Wright
[Register](#)

Symposium on Randomized Control Trials
Monday, September 26, 2022
12:30 - 3 pm
Drs. Haresh Kirpalani & Barbara Schmidt
In-person and virtual
Coombs Lecture Theatre, Foothills Medical Centre
To register contact: usha.john@ahs.ca

UCalgary Sport Injury Prevention and Research Centre
Research and Community Engagement (RACE) Symposium 2022
Wednesday September 28, 2022
9 am - 4 pm (symposium), 4 - 6 pm (social networking)
[Register](#)

Calgary Adapted Hub - Research and Community Engagement Seminar
Personalized Neuromodulation to Enhance Life Participation for Children with Hemiparesis: The SPORT Trial
Thursday, September 29, 2022
12 - 1 pm
Dr. Adam Kirton
[Register](#)

The CIHR-Institute of Musculoskeletal Health & Arthritis (IMHA)
Stylish Academic Writing Workshop Series
October 18, November 16, December 8, 2022
Dr. Helen Sword
Details to Follow

For all events visit the [ACHRI calendar](#).

SEND US YOUR NEWS!

Please send discoveries, research publications, and grants to Fiona Mackenzie at
r4k@ucalgary.ca

Visit us:
research4kids.ucalgary.ca

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