April 17, 2023

Canada’s First National Pediatric Pain Management Standard.

Solutions for Kids in Pain (SKIP) and the Health Standards Organization (HSO) recently launched Canada’s first Pediatric Pain Management standard, which provides guidance to health organizations on how to deliver equitable and quality pain management across hospital settings. This standard is the first of its kind in the world, establishing a set of guidelines for the delivery of pain management for children from birth to 19 years.
Dr. Katie Birnie, associate scientific director for SKIP, chaired the Health Standards Working Group along with 14 experts in paediatric pain management. Voices from across the country included physicians, physical therapists, psychologists, child life specialists, health administrators, nurses, international experts, and youth and family partners with pain experiences.

Read UToday Story.

HSO and SKIP invite you to a Virtual Town Hall on Thursday, April 20, 2023, from 10:30 am - 12:00 pm. Register here.

Visit HSO to download the new Pediatric Pain Management standard.

MATERNAL FOLATE STATUS AND CHOLINE INTAKE DURING PREGNANCY

A new study, lead by ACHRI Trainee Nathalie Irvine, undergraduate student in the BHSc program (supervised by Dr. Deborah Dewey) explores the role that folate and choline play in fetal brain development.

Animal studies have reported that prenatal folate and choline supplementation are associated with better cognitive outcomes and that these nutrients may interact and affect brain development. However, human studies have reported contradictory findings. None have examined the potential interactive effect of folate and choline on children's neurodevelopment.

Using data from 309 maternal - child pairs in the Alberta Pregnancy Outcomes and Nutrition (APrON) study, the team examined associations between maternal RBC folate and choline intake during the second trimester pregnancy, and children's intelligence, language, memory, executive function, and motor skills at three to four years of age.

The study found that maternal folate status and choline intake were not associated with intelligence, language, memory, or motor outcomes at three to four years of age; however, the interaction between folate status and choline intake may have an influence children's executive function. Read more.

PHARMACOGENETICS FOR DEPRESSIVE DISORDERS
Serotonin reuptake inhibitor antidepressants are primary pharmacologic treatments for major depressive and anxiety disorders - half of adults with major depressive disorder have inadequate response to initial pharmacotherapy.

Allelic variants that alter antidepressant biotransformation may predispose people to poor therapeutic outcomes. Genetic variation in CYP2D6, CYP2C19, and CYP2B6 influences the metabolism of many antidepressants, which impacts dosing, efficacy, and tolerability. Pharmacogenetic testing to guide treatments can help improve treatment response and decrease adverse events.

A new publication co-lead by Dr. Chad Bousman, updates and expands on the 2015 Clinical Pharmacogenics Implementation Consortium Guidelines, informs the interpretation of existing genotype test results and provides recommendations to guide dosing or antidepressant selection. Read more.

LECTURE OF A LIFETIME

Chancellor Jon Cornish and the UCalgary Senate invite you to attend the 2023 Lecture of a Lifetime featuring Dr. Jay Cross.

Purposefully travelling towards the unknown

Be part of a thought-provoking and topical discussion about the power and challenge that comes with working across disciplines, and having the bravery to take on opportunities for which you don’t feel qualified.

May, 3, 2023
5:30 – 6:30 pm
MacEwan Ballroom (3rd floor), MacEwan Student Centre
Register  Read
UToday Story
2023 Owerko Centre Conference: Neurodiversity and Intersectionality
Tuesday, May 30, 2023
9 am - 4:45 pm
Health Sciences Centre, Foothills Campus

Speakers:

- Dr. Laura Graham Holmes
- Dr. Kristen Gillespie-Lynch & Dr. TC Waisman
- Grant Bruno, PhD Student
- Dr. Meredith Maroney

Program
Register by May 22

Attendee registration and trainee submission info coming soon.

LET THE MUSIC MOVE YOU
Let the music move you at CRESCENDO, presented by Safeway, on June 17 at Arts Commons Jack Singer Concert Hall!

This unforgettable evening will have you singing and dancing along to the music of Neil Diamond, Prince, Eagles, P!NK, The Beatles and more. Combining a high-energy stage show with powerful storytelling in support of youth mental health resources and research, you'll be moved and inspired.

You'll want to share this night with friends. Tickets are on sale now, use promo code UCalgary to save 10%. [https://www.artscommons.ca/whats-on/crescendo](https://www.artscommons.ca/whats-on/crescendo)

COMMUNITY PARTNER EVENT

**A Time for Accountability: A Community Response to the Serenity Report**

Re-imagining how we support parents so that EVERY CHILD can thrive in their home and communities.

Tuesday, April 18, 2023
12:00 - 13:30 pm
Learn more and register

This event is hosted by Family Advocacy Support Centre and Starlings Community, who offer free resources and support to youth and parents vulnerable to interventions and family separation. These organizations apply a family centred-lens to their advocacy and work alongside community to increase access to resources and supports for families vulnerable to intrusive intervention and family separation.

RESEARCH ENGAGEMENT OPPORTUNITY

The City of Calgary is looking to engage researchers to support the implementation of Calgary's Mental Health and Addiction Strategy and Action Plan.

Researchers can share their expertise to local audiences in the community, test or expand research findings, participate as advisors.
If you are interested, please connect directly with the City of Calgary team by filling out the Research in Action intake form.

The City of Calgary will be hosting an event on April 18, 2023 for researchers and the Mental Health and Addiction Strategy and Action Plan partners.

For questions, email communityofconnections@calgary.ca.

CSM STRATEGIC PLANNING WORKSHOPS

CSM is embarking on a collaborative process to develop a new strategic plan with students, faculty and staff.

Thursday, April 20, 2023, 12 - 2 pm

HRIC atrium
Snacks and beverages available.
Register

ACHRITA RESEARCH IN PROGRESS SEMINARS

All researchers and trainees are welcome to join the ACHRITA Research in Progress Seminars held the first Tuesday of each month, 12 - 1 pm.

Interested in presenting at a Research in Progress Seminar?
Presentation slots for March to May are full. More slots will be opened for future months based on demand. If interested, add your name to the presenter waitlist. Presenters must attend in-person.

Questions? Email ACHRITA@ucalgary.ca

BIOSTATISTICS DROP-IN SESSION
Dr. Grace Kwong, Biostatistics Consultant with ACHRI, is available to assist with the following:

- Provide advisory services (consultation on statistical methods to answer research questions and drafting or reviewing statistical analysis plans)
- Analytical services (execution of selected analysis projects)
- Interpretation and visualization (developing graphical output for inclusion in manuscripts and scientific proceedings)
- Capacity building (development of resources and training)

To discuss your project needs, initiate a consultation by completing this webform.

Thursday, April 20, 2023
9:30 am – 12 pm
ACH Room C4-610, 4th Floor

GRADSNACKS NEEDS YOUR HELP

A survey of graduate students on Foothills campus showed 50 per cent of respondents struggled with food insecurity, and 80 per cent said they can’t bring enough food to get through their day.

Donate to GradSnacks.

Read the UToday story.

Questions? Contact Taylor at taylor.scheidl@ucalgary.ca or Jessica at jessica.wager@ucalgary.ca
ACHRI TRAINEES

ACHRITA CALL FOR NOMINATIONS

Nominations for all ACHRITA Executive positions are now open! Our nomination period starts tomorrow and will close on Wednesday, April 19, 2023 at 5 pm.

Submit a nomination here.

Positions are open to: postdoctoral fellows, clinical fellows, or graduate students supervised by an ACHRI affiliated faculty member.

**Election details:**
- Nomination period - April 12 to April 18
- Campaign period - April 19 to April 23
- Virtual voting - April 24 and April 25

The ACHRITA AGM takes place April 24 at 3 pm.

Questions? Contact ACHRITA@ucalgary.ca

TRAINEE EVENTS

**Conjoint Health Research Ethics**

Research with Children: Capacity and Consent
Tuesday, April 18, 2023
12 - 1 pm
Dr. Beverly Collisson and Dr. Stacey Page
Register

Any topics you’d like to see covered? Email: ACHRITA@ucalgary.ca

TRAINEE FUNDING OPPORTUNITIES

**Brain Canada Foundation: 2023 Master's Personnel Awards for Black Scholars**
The objective of the competition is to increase the number of highly qualified Black trainees across Canada committed to working in the fields of heart and brain
Brain Canada Foundation: 2023 Doctoral Personnel Awards for Black Scholars
This competition aims to increase the number of highly qualified Black trainees across Canada committed to working in the fields of heart and brain research.
Deadline: Monday, May 1, 2023
Details

Please visit the ACHRI trainee funding page for funding opportunities.

TRAINEE REGISTRATION

ACHRI supervisors: Please encourage your trainees to register in order to receive the newsletter, updates and access to funding and workshops.

FUNDING OPPORTUNITIES

Alberta Innovates Accelerating Innovations into CarE (AICE) - Validate Program
This program supports Alberta innovators to advance their Product-Market Fit, Business Readiness, Regulatory Compliance, and Product Development of their health innovations during the committing and early validation phases of their commercialization journey.
Deadline: Tuesday, April 25, 2023
Details

2023 Parex Resources Innovation Fellowship
This opportunity supports researchers who are immersed in academic research and community partnerships leading to technology advancement and knowledge mobilization based on new discoveries, insights, and innovation.
Deadline: Friday, April 28, 2023
Details

SSHRC Connection Grant May 2023
Connection Grants support events and outreach activities geared toward short-term, targeted knowledge mobilization initiatives. These events and activities represent opportunities to exchange knowledge and to engage with participants on research issues of value to them.
Deadline: Wednesday, April 26, 2023
Details

Barb Ibbotson Chair in Pediatric Hematology
This opportunity supports research relevant to Pediatric Hematology, Oncology, Transplant, Immunology. Projects should be hypothesis generating, other types of
studies will be considered, such as quality improvement projects or translational research. Projects may be clinical, translational, or basic science in nature. Residents, clinical assistants, research assistants and allied health practitioners are eligible.

**Deadline: Monday, May 1, 2023**

Please contact Dr. Nicola Wright with questions.

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**2023 Alex's Lemonade Stand 'R' Accelerated Grant**

The R Accelerated Award Grant is to advance ALSF’s mission to find cures and better treatments for childhood cancers by providing support to scientists focused on pediatric oncology research.

**Deadline: Monday, May 8, 2023 (RSO Internal)**

[Details](#)

**2023 Alex's Lemonade Stand 'A' Award Grant**

The 'A' Award Grant is to advance ALSF’s mission to find cures and better treatments for childhood cancers by providing support to early career scientists who want to establish a career in pediatric oncology research.

**Deadline: Monday, May 8, 2023 (RSO Internal)**

[Details](#)

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**Team Grant: THINC Knowledge Mobilization & Impact Hub**

Operating as a single coordinating centre, the THINC Impact Hub will build and support a vibrant pan-Canadian learning community involving all THINC grantees and knowledge user communities towards advancing evidence-informed integrated care transformation and catalyze progress towards achieving the Quadruple Aim and health equity.

**Deadline: Thursday, May 11, 2023**

[Details](#)

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**CIHR New Investigator Salary Award: Health System Impact Embedded Early Career Researcher (ECR) Award**

This award supports embedded ECRs, increase their potential for impact and contribution as embedded scholars, and increase the probability that they will secure an embedded scientist position with a Canadian health system organization and/or a faculty position in a Canadian academic institution. This program will generate additional research capacity within health system organizations for learning and improvement, helping to further advance learning health systems across Canada.

**Deadline: Friday, May 12, 2023**

[Details](#)

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**Arthritis Society Canada Ignite Innovation Grant**

This salary award and research funding supports research programs aligned with Arthritis Society Canada's 2020-2025 Research Strategy.

**Deadline: Tuesday, May 16, 2023 (Registration Deadline)**

[Details](#)
Arthritis Society 2023 Stars Career Development Awards
This program supports the development and testing of transformative, paradigm-shifting, concepts and approaches to address critical barriers to progress in arthritis research, challenge our understanding of arthritis and its management, and generate novel approaches to confront the challenges we face in defeating arthritis and delivering the best evidence-informed care possible.
Deadlne: Tuesday, May 16, 2023 (Registration Deadline)
Details

SSHRC Imagining Canada's Future Ideas Lab: Global Health and Wellness for the 21st Century
This opportunity is designed to encourage innovative research partnerships and projects. Ideas Labs help to break down methodological barriers and empower participants to explore new approaches to research. The Public Health Agency of Canada and Genome Canada have joined SSHRC as funding partners to explore the future challenge of Global Health and Wellness for the 21st Century.
Deadline: Friday, May 19, 2023
Details

Canada Biomedical Research Fund and Biosciences Research Infrastructure Fund - Stage 2
This opportunity supports: (1) Partnered, applied research in the biomanufacturing and life sciences sector to accelerate the translation of discoveries into products and services, (2) Partnered talent development to provide skills and training to drive innovation and growth in Canada's biomanufacturing industry and (3) Research infrastructure to support Canada's biosciences research needs.
Deadline: Thursday, June 1, 2023 (NOI)
Details

Arthritis Society Canada Clinician Investigator Award
This is a salary award intended to provide new clinician investigators to demonstrate their ability to initiate and carry out independent research of clear relevance to arthritis. Candidate must be a certified rheumatologist and a CRA member.
Deadline: Monday, June 26, 2023
Details

Pre-Announcement: CIHR National Women's Health Research Initiative: Biomedical Discovery Grant
This funding opportunity supports high risk, high reward research in high-priority areas of women's health research. This opportunity supports basic science and/or other types of preclinical studies that have the potential to make significant advancements in women's health.
Registration Deadline: June 2023
Details

Alberta Innovates Accelerating Innovations into CarE (AICE) - Concepts Program
This program serves to accelerate early-stage health research and innovation that demonstrates high commercial potential in priority areas of precision health.

**Deadline: Tuesday, July 11, 2023**

[Details](#)

**Alberta Innovates Partnership for Research and Innovation in the Health System (PRIHS) 8 - Digital Health**

This program is designed to align the expertise of researchers to create new knowledge with the evidence needs of health providers. The program provides opportunities for researchers and clinicians to implement promising solutions that address priority health system challenges in collaboration with Strategic Clinical Networks (SCNs) and Integrated Provincial Programs.

**Deadline: Wednesday, October 25, 2023**

[Details](#)

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

**EVENTS AND SEMINARS**

**Neonatal Grand Rounds**

**PAS/CPS/AAP Research Presentations**

Tuesday, April 18, 2023

4 - 5 pm

[Register](#)

**Department of Pediatrics Networking Series**

Getting started with research

Tuesday, April 18, 2023

5 - 7 pm

ACH Physicians' Lounge, 2nd Floor

[Register](#)

**Paediatric Grand Rounds**

**Stem Cell Transplant for Inborn Errors of Immunity (IEI) in Children**

Wednesday, April 19, 2023

8:30 - 9:30 am

Dr. Ravi M Shah

[Register](#)

**Developmental Genetics Research in Progress**

Wednesday, April 19, 2023

1 - 2 pm

Dr. Beth Barretto (Benedikt Hallgrimsson lab)

Emma Heeg (Sarah Childs lab)

G500, Health Sciences Centre

**Alberta SPOR Support Unit - Patient Engagement Team Journal Club**
Partnering for Pain: a Priority Setting Partnership to Identify Patient-Oriented Research Priorities for Pediatric Chronic Pain in Canada
Wednesday, April 19, 2023
10 - 11 am
Dr. Katie Birnie & Isabel Jordan, Patient Partner
Register

Owerko Centre
Neurodevelopmental Conditions in the Classrooms: How to Support Children with Fragile X Syndrome
Wednesday, April 19, 2023
3:30 – 5 pm
Drs. Kara Murias, Billie Au, Gabrielle Wilcox; Karen Kelm
Register

Medical Genetics Rounds
Let's Talk About Exome: A Family Affair
Friday, April 21, 2023
9 - 10 am
Allison Sluyters, Clinical Genomics Liaison, Blueprint Genetics
Microsoft Teams Meeting ID: 298 920 003 465
Passcode: YScuHh
Click here to join the meeting

Child and Adolescent Imaging Research Talk
Macro to Micro: Characterization of Microscopic Cellular Properties Using MRI
Monday, April 24, 2023
11:30 am - 12:30 pm
G500, Health Sciences Centre
RSVP with dietary restrictions to glenda.maru@albertahealthservices.ca by April 17

Research & Community Engagement Seminar
In Partnership with the 2023 National Coaching for Para Sport Summit
"People are Afraid of Things They Don't Know": Enlightened Ableism in Disability Sport Coaching
Tuesday, April 25, 2023
12- 1 pm
Dr. Robert Townsend
Register

Steacie Prize Lecture
Wednesday, April 26, 2023
3 – 4 pm, with a reception to follow
Dr. Catherine Lebel
Clara Christie Theatre, Health Sciences Centre
Register
Owerko Neurodevelopmental Clinical Rounds
Predicting Cerebral Palsy: Promise and Pitfalls
Wednesday, May 3, 2023
12 - 1 pm
Dr. Mary Dunbar
Register

2023 Lecture of a Lifetime
Purposefully Travelling Towards the Unknown
Wednesday, May 3, 2023
5:30 – 6:30 pm
Dr. Jay Cross
MacEwan Ballroom (3rd floor), MacEwan Student Centre
Register

11th Annual Dr. Harvey B. Sarnat Lectureship and Mini-Symposium in
Developmental Neuroanatomy and Neuropathology
The Role of the Corpus Callosum in Developmental Disorders
Monday, May 8, 2023
8:30 am - 2:00 pm
Hybrid Event, Theatre 3, Health Sciences Centre, Foothills Campus
Register by Friday, April 28

Owerko Centre Conference
Neurodiversity and Intersectionality
Tuesday, May 30, 2023
Health Sciences Centre, Foothills Campus
Program
Register by Monday, May 22, 2023

2023 Knowledge Translation Canada Summer Institute
Wednesday, June 14 - Friday, June 16, 2023
Register

For all events visit the ACHRI calendar.

SEND US YOUR NEWS!

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