NEW RESEARCH PROGRAMS

ACHRI Members: Please select your new program

To take child health and wellness research to the next level, ACHRI has now restructured into seven program areas based on a comprehensive research strengths analysis and input from six town halls involving 640 participants in 2019. Click here for information on these seven programs. If you have questions regarding the programs feel free to reach out to the individual program directors. Please click here to select your primary program by February 7, 2020.

EXCELLENCE IN RESEARCH - CIHR GRANTS

Congratulations to all CIHR awardees!

**Project Grants**

**Dr. Sarah Childs** - Probing molecular and mechanical signals that shape blood vessel growth

**Dr. Deb Dewey** - Prenatal exposure to chemicals in plastics can cause epigenetic variation in genes associated with neurodevelopment
Dr. Shabih Hasan - Non-Invasive respiratory support and development of oromotor skill - an innovative approach towards improving infant outcomes
Dr. Matthew Hill - Endocannabinoid Regulation of Stress Responsive Neural Circuits
Dr. Peng Huang - Perivascular fibroblasts in maintaining blood vessel integrity
Dr. Melanie Noel - Elucidating the Role of Memory in the Transition from Acute to Chronic Pediatric Pain
Dr. Donna Senger - Molecular mechanisms underlying liver and lung-specific metastasis
Dr. Donna Senger - Non-classical mechanisms for leukocyte recruitment in the lungs: therapeutic targets for attenuating acute lung injury
Dr. Ray Turner - The molecular choreography of ion channel expression

Priority Awards
Dr. Fiona Schulte - Social adjustment in survivors of pediatric acute lymphoblastic leukemia
Dr. Tuan Trang - Central mechanisms of opioid withdrawal

Early Career Investigator Awards
in Maternal, Reproductive, Child and Youth Health
Dr. Miranda Fidler-Banaoudia
Dr. Daniel Kopala-Sibley
Dr. Jennifer Zwicker

ACHRI SUMMER STUDENTSHP APPLICATIONS

ACHRI Summer Studentships
The deadline is approaching for the ACHRI Summer Studentship and BME-ACHRI Summer Studentship awards.
Apply by February 7 for students and February 14 for supervisors.
ACHRI summer students apply using the UCalgary Central student application system.
For BME-ACHRI Undergraduate Research Funding please apply here.

The ACHRI Trainee Publication Award application deadline is February 14.
More information here.

TRAINEE WORKSHOPS

Presented in partnership with HBI REALISE. Enrolment is limited.
Feb. 7 9 am – 4 pm Building Professional Relationships
Feb. 27 9 am – 5 pm Resume Writing and Interview Preparation

Register by emailing achri.training@ucalgary.ca. Please provide your name, your supervisor’s name, and level of training.
Learn about this program and other opportunities by visiting the ACHRI Weekly Training Post on the ACHRI website.

PROGRAM NOTES

**Maternal and Child Health Journal Club**

**Wednesday, Feb 26**  
11:30 am - 1 pm  
**Calgary Women’s Health Centre, Room 255**

The next maternal health journal club features Krista Wollny and Malcolm Eaton leading a discussion on two journals from basic science and epidemiological perspectives.

**Topics:** *Paediatric and Perinatal Epidemiology, The association of stillbirth with placental abnormalities* and *Nature, Placentation defects are highly prevalent in embryonic lethal mouse mutants.*

Please RSVP to Linda Cosway

**HOW TO GET YOUR GENOME CANADA PROPOSAL FUNDED**

**Friday, Feb. 7**  
1:30 pm  
**HSC G500, Foothills Campus**

Genome Alberta is holding an information session to discuss the mechanisms and funding opportunities available for translational research in health sciences.

**Dr. François Bernier, MD,** Head of Medical Genetics and Director, Clinical Genetics Unit, Alberta Children’s Hospital, will discuss his experiences working with Genome Alberta. There will be a Q&A and an opportunity to connect with Genome Alberta staff. Organized by Genome Alberta and the Grant Development Office at the Cumming School of Medicine. Register

**The 2020 CCHCSP Certificate Eligible Session**

Partnered with ACHRI, CCHCSP is excited to offer a series of 2020 CCHCSP Certificate eligible sessions in Calgary. All are welcome - trainees of any level, discipline and faculty.

**ACH, Room 3  12:00 pm - 1:30 pm**

Feb. 11 Paper writing - Qualitative Research - Gina Dimitropoulos  
Feb. 25 Paper Writing - Quantitative Research - Susan Samuel  
Mar. 10 Navigating Budget - Jenna Slobozian  
April 14 Negotiating Your First Faculty Position - Jim Kellner

For more information or to register please contact Janet Wu
DATA ANALYTICS

The Data Analytics for Health Research program is an 8-week course for learners to develop skills in data analysis related to a case study research question. Weekly sessions include instruction from preceptors, guest speakers, and hands-on exercises with a de-identified administrative health data set.

Foothills Campus
April 14 – June 2, 2020

Application deadline is Feb 6 or until course is full.

Application and course outline:
Provided by Alberta SPOR Support Unit

COMMUNITY IMPACT

MOUTHGUARDS REDUCE RISK OF CONCUSSION

Dr. Brent Hagel, PhD, lead author, and Dr. Carolyn Emery, PhD, co-author, published findings in the British Journal of Sports Medicine providing the strongest evidence to date supporting mandatory mouthguards in youth hockey. “It can be challenging for referees to enforce the use of mouthguards, so we would like to see parents and coaches get involved to ensure they are being used as we saw a significant reduction in concussion with mouthguard use,” says Hagel, a professor in the departments of Paediatrics and Community Health Sciences at the Cumming School of Medicine. Study authors include Dr. Amanda Black, PhD, and Dr. Kathryn Schneider, PhD. The Alberta Children’s Hospital Foundation was instrumental in the creation of the Integrated Concussion Research Program and provides ongoing support. Read more

In the News: Reuters CBS
ACHRI members Drs. Ian Mitchell and Juliet Guichon have published *Ethics in Pediatrics*, a book offering practical guidance to physicians and other healthcare practitioners about managing both straightforward and complex ethics problems.

**Dr. Ian Mitchell, MB, MA, FRCPC**
Dr. Mitchell is a paediatric respirologist involved in care of children with complex respiratory disorders. Dr. Mitchell teaches ethics and explores the impact of ethical issues on children, parents and health care staff. He is a Professor Emeritus in the Department of Pediatrics.

**Dr. Juliet Guichon, BCL, MA, SJD**
Dr. Guichon is a legal scholar whose work concerns human vulnerability at the intersection of law, health care, ethics, religion and journalism. She is an Associate Professor in the Department of Community Health Sciences.

**GRANT OPPORTUNITIES**

**Bridge Funding**
ACHRI offers bridge funding to its members who are highly ranked but fall below the CIHR cutoff. Bridge funds are designed to sustain research programs of ACHRI members until the next external granting competition.

[Application and guidelines]
Deadline for submission: February 10, 2020

**ACHRI Internal Funding Awards**

**The Allied Health Research Award**  
[Application and guidelines]

**The Shaikh Family Research Award**  
[Application and guidelines]

These awards recognize, promote and support nurses and other allied health
professionals to perform clinical and/or translational research initiatives related to child health. They also support research activities that are clinically significant, have scientific merit, the potential for meaningful impact and relevant to advancing shared priorities of ACHRI and AHS/Alberta Children's Hospital.

**Deadline for submissions: March 6, 2020**

**NEW STAFF**

**Linda Cosway, Program Research Assistant**

We extend a warm welcome to Linda Cosway as a new member of the ACHRI team.

Cosway will provide research administrative support to the seven Program Directors within ACHRI. Having moved here from Invermere, B.C, her previous role was Operations Coordinator for University Relations. "I’m excited and honoured to be a part of ACHRI and grow this new position to serve the Research Program Directors. I look forward to working with all of the incredible ACHRI family!"

Her office is HMRB Room 213, phone 403-220-6898, or email Linda.Cosway@ucalgary.ca

**ACHRI CALENDAR OF EVENTS**

*Open to all investigators, clinicians, trainees and research staff, these events are supported by generous community donations through the Alberta Children's Hospital Foundation.*

For additional details, please visit our [website](#).

**GRAND ROUNDS & LECTURES**

**Feb. 03 | Drs. Susa Benseler, MD, PhD, and Marvin Fritzler, PhD**  
Snyder Mini Med School  
6:30 pm - 8:30 pm Theatre 4  
*Autoinflammatory diseases in children - what's going on behind the scenes?*

**Feb. 05 | Dr. Gabrielle Wilcox, PsyD**  
Owerko Neurodevelopmental Research Rounds  
12 pm - 1 pm Green Room, CDC 3rd Floor  
*Wired to Read: Repeated Reading and TDCS Lessons Learned from a Pilot Study*
Feb. 06 | Dr. Tanya McCance, DPhil, RGN
Child Health Research Rounds
8:30 am - 9:30 am Room 222, Professional Faculties Building
Making Person-Centred Practice a Reality within Healthcare Systems

Feb. 10 | Dr. Frank P. MacMaster, PhD
Developmental Neurosciences Grand Rounds
8:30 am - 9:30 am ACH Auditorium
New Directions in Brain Stimulation in Psychiatry

Feb. 19 | Dr. Quan Long, PhD
Research in Progress Seminar
1 pm - 2 pm G382, Health Sciences Centre
Use Natural Language Processing to Identify Patient Concerns and Adverse Events from Electronic Medical Records

Feb. 20 | Dr. Monica Justice, PhD
Precision Medicine & Disease Mechanisms Program
11 am - 12 pm, Theatre 4, Health Sciences Centre
A genetic suppressor screen in Mecp2 mice implicates the DNA damage response in Rett syndrome pathology

Feb. 20 | Sara Austin
Child Health Research Rounds
8:30 am - 9:30 am ACH Auditorium
Raising Canada: Sounding the alarm on the state of childhood in Canada

Feb. 20 | Dr. Monica Justice, PhD
Precision Medicine and Disease Mechanisms Program
11 am - 12:00 pm Theatre 4, Health Sciences Centre, Foothills Campus
A genetic suppressor screen in Mecp2 mice implicates the DNA damage response in Rett syndrome pathology

Mar. 9 | Dr. Hilary Critchley, MD, FRCOG, FRSE
Precision Medicine & Disease Mechanisms Program
11 am - 12 pm, Theatre 4, Health Sciences Centre
Unmet clinical need: Menstrual bleeding, role of the endometrium and potential as a therapeutic target

CONFERENCES

Feb. 11 | 4th Annual Meeting DOHaD Canada
Banff Centre for Arts and Creativity

Feb. 12 | Canadian National Perinatal Research Meeting
Banff Centre for Arts and Creativity
Mar. 6 | [33rd Annual Sebastian K. Littman Research Day](#)
Clara Christie Theatre, Health Sciences Centre

Mar. 19-22 | [Canadian Developmental Biology Meeting](#)
Banff Centre for Arts and Creativity

Mar. 23 | APRON 10th Anniversary Research Day
Alberta Children's Hospital Auditorium

May 5 | Doug Lockhart Memorial Oncology Research Day
Alberta Children's Hospital Auditorium

June 4 | [28th Annual Cumming School of Medicine Symposium](#)
Drs. Deborah Sloboda, Barbel Rohrer, Ami Bhatt, Jie Shen & Jenn Haverfield
Foothills Campus

June 10 | Owerko Centre Conference
Drs. Joanne Weinberg, PhD and Michael Kobor, PhD
Theatre Four, Health Sciences Centre

COMMUNITY EVENTS

Save the date May 23
Crescendo brings together top musicians and inspiring stories of strength shared by young people and their families. Tickets for sale soon. Proceeds will help develop the world-leading research program at the new Centre for Child & Adolescent Mental Health.

Learn more

Caring for Kids Radiothon THIS WEEK! Wednesday Feb. 5 through to Friday Feb. 7
Since it first hit the airwaves in 2003, the Caring for Kids Radiothon has been an inspiring, cherished community initiative. Donations from our community have supported crucial programs, equipment and research that change lives every day. Thanks to a generous community member, all donations will be matched this year.

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

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