Images above: a microglia cell (in red) wrapping itself around a radial glial projection (in green) as part of its normal surveying of the ‘health’ of these cells.

**Microglia interact with hypothalamic radial glia during neurodevelopment**

Dr. Deborah Kurrasch, PhD, and postdoctoral fellow Dr. Jessica Rosin, PhD, show that in the embryonic murine brain, microglia constantly survey radial glial ‘health’. Upon sensing damage, microglia coordinate an innate immune response to phagocytose the compromised cells in an effort to protect ongoing neural development. This work contributes to a better understanding of pathways that may be activated during extreme insults such as those observed during Zika virus infection, which may become overwhelmed leading to lasting effects on the brain. The research is published in *Cell Reports*.
Pre-announcement: Human Frontier Science Research Grants

The Canadian Institutes of Health Research and the Natural Sciences and Engineering Research Council are pleased to announce the upcoming funding opportunity: Young Investigator and Program Grants. These grants support innovative basic research in novel and interdisciplinary approaches involving science across national and international boundaries. Deadline March 2021. Learn more

CLINICAL COMMUNITY

Child Health and Clinical Trial Community

The Maternal Infant Child and Youth Research Network (MICYRN) and the Canadian Collaborative for Child Health (CHEER) are hosting a webinar series between January 18 and January 21 for the child health and clinical trial community. Join Dr. Katie Birnie on youth and parent engagement on January 18 at 9 am. Learn more

Registration is now open for the winter session of the Leadership in Patient-Oriented Research: Pragmatic Clinical Trials Certificate offering 53 accredited hours of Alberta-specific content in clinical trials and patient-oriented research. Learn more

EXPANDING RESEARCH
Dr. Alex Lohman, PhD, has been awarded the CIHR-SickKids Foundation New Investigator Grant to better understand changes in teen's brains with repetitive mild traumatic brain injury by studying the pruning of microglia-dependent synapses. Synapse loss is a significant correlate of cognitive decline and may delay recovery and contribute to long-lasting consequences of concussion in adolescence. Lohman's research is published in the *Journal of Neuroinflammation*.

**TRAINEE OPPORTUNITIES**

Dr. Katrina Milaney, PhD, has been awarded a SSHRC Partnership Engage Grant to understand behaviours during the COVID-19 pandemic by examining mask wearing: who is wearing masks, who is not and why. Milaney investigates social vulnerabilities related to disability, homelessness, gender, culture, domestic violence, and mental health. She is the recipient of numerous provincial and national awards and was recently named one of the top 20 Most Compelling Calgarians for 2020.
We invite all new grad and post-doc trainees to register here to access ACHRI STEP opportunities.

**Summer Studentships:** Deadline February 5  
The UCalgary Summer Studentship application portal is now open. Questions? Contact summerstudent@ucalgary.ca  
Apply at the consolidated application portal

**Trainee Publication Award:** Deadline February 1  
Applications are accepted from current undergraduate, graduate, or postdoctoral trainees in good standing whose primary supervisor is a member of ACHRI. These awards are competitive internal awards for the purpose of recognizing trainee achievement and excellence in child health research. Apply

**Trainee Travel Awards:** Under COVID-19 restrictions, ACHRI is accepting applications for attending virtual conferences or workshops on a rolling basis. Apply

Need help? Visit ACHRI Research Training or contact achri.training@ucalgary.ca

**Scientific Programming Series**  
Dr. Signe Bray, PhD, leads a course on computing tools via REALISE. Everyone welcome.  
January 15 – April 16 | Weekly on Fridays 9:30 am - 12:30 pm  
Learn more

**PURE Awards - Program for Undergraduate Research Experience**  
This award supports undergrads to conduct research between May and August.
Deadline February 5
Apply

**Graduate Students Images Research Competition**
This award allows grads to showcase their research through photos.
Deadline January 31
Apply

WALK A MILE IN MY SHAKY SHOES

**Child Health and Wellness Series Speaker: Dr. Matthew Corkum, PhD**

“Whether you are a teacher, doctor, medical professional or parent ... or, a person with a seen or unseen disability, it’s time we choose to see possibility in the impossible, opportunity in adversity, and, find the ability in disability.” Dr. Matthew Corkum

Dr. Matthew Corkum, PhD, presented at the Child Health and Wellness Seminar Series on January 11, 2021. He has pushed the limits to prosper in a wide range of environments regardless of living with cerebral palsy. Dr. Corkum has a PhD in Atmospheric Science and works in Calgary as a meteorologist. With a passion for inclusion, he sits on the City of Calgary’s Advisory Committee on Accessibility and his bicycle is his freedom vehicle. For more information or to contact Dr. Corkum for your speaking event, visit [matthewcorkumspeaking.com](http://matthewcorkumspeaking.com).

View his talk

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**Child Health and Wellness Special Seminar**

Thursday, January 21
9 am - 10 am
Drs. Fran Balamuth, MD, PhD, Scott L. Weiss, MD, Graham Thompson, MD, FRCPC
Fluid Resuscitation in Pediatric Sepsis: Balanced Fluids or Normal Saline?

Register
For all events visit the ACHRI [calendar](http://achri_calendar.com)
WCHRI, CCHCSP and ACHRI
Wednesday, January 20
11:30 am - 1:00 pm
Dr. Meghan Riddell, PhD, University of Alberta
How to write a lay abstract: effectively communicating your grant application to non-specialists
Register

Alberta Children's Hospital Town Hall
Thursday, January 21
11 am - Noon
Dr. Jim Kellner, MD
COVID-19 vaccines: Current status and when will they get us out of the pandemic
Register

Health Research Platform Lunch and Learn
Monday, January 25
12 pm - 1 pm
Linda Longpré, CCRP
The Quality Assurance and Regulatory Compliance Program for Clinical Research: Lessons Learned
Register

Child Health and Wellness Seminars
Mondays at 8:30 am
Monday, January 25
Dr. Lois Donovan, MD, FRCPC
Appropriate Utilization and Management of Thyroid Lab Tests in Pregnancy
Register

Key resources  Procedure for sick students | Procedure for sick employees | Dashboard of cases on campus

CONNECT with @UofCr4kids on:
Twitter  Facebook  Website

Do you have news to share?
Please email laherper@ucalgary.ca

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