The Canadian Institutes of Health Research (CIHR) supports excellence across all four pillars of health research: biomedical; clinical; health systems services; and population health. This year, there were eight successful CIHR Project Grants awardees from ACHRI. Congratulations to the following ACHRI members:

- Dr. Jennifer Chan, MD
- Dr. Gerry Giesbrecht, PhD
- Dr. Doug Mahoney, PhD
- Dr. Tim Shutt, PhD
- Dr. Leslie Skeith, MD
- Dr. Richard Wilson, PhD
- Dr. Guang Yang, PhD
- Dr. Darren Brenner, PhD

Following the announcement of the CIHR project grants, ACHRI is offering bridge funding to members whose applications were highly ranked but unfunded. Bridge funds sustain the research programs of our members until the next external granting competition. Deadlines for applications: August 15, 2019

ACHRI's Summer Student Research Day is FRIDAY, AUGUST 23

Calling all students! We are excited to present the Summer Student Research Day, open to all students supervised by an ACHRI member. This day gives participants opportunities to share their research and network. The keynote address is this year will be from Dr. Doug Mahoney, PhD, an assistant professor in the Department of Microbiology, Immunology and Infectious Diseases. We expect more than 150 participants, so please register now. Abstract deadline: August 1. For information on all the trainee opportunities, please visit the training post.

Cognitive-behavioural therapy helps teens get
a good night's sleep
Dr. Lianne Tomfohr-Madsen, PhD and Dr. Brian Brooks, PhD have completed a study that shows cognitive-behavioural therapy can improve sleep quality in teenagers recovering from concussion. The new protocol helps teens sleep and feel better after a concussion. Dr. Tomfohr-Madsen is an associate professor in the Department of Psychology in the Faculty of Arts and an adjunct associate professor in the Department of Paediatrics at the CSM. She also holds the Alberta Children’s Hospital Foundation Professorship in Child Health Psychology. Dr. Brooks is an adjunct assistant professor in the departments of paediatrics and clinical neurosciences at the CSM and an adjunct associate professor in the Department of Psychology in the Faculty of Arts. Read

New neurotechnology training program invites industry into the classroom
Along with several faculty collaborators across a broad array of disciplines, the project will be led by Dr. Richard Wilson, PhD, and Dr. Marc Poulin, PhD. The training program has just been awarded $1.65 million in funding from the federal government through NSERC’s Collaborative Research and Training Experience Program (CREATE). The new program will accommodate close to 100 undergraduate and graduate students, who will receive hands-on training and work in close collaboration with industry. Dr. Wilson is a professor in the Department of Physiology and Pharmacology. Read

Online course allows anyone to learn about concussions
When researcher Dr. Kathryn Schneider, PT, PhD, was invited by Dr. Pierre Fremont from Laval Universite’s Faculty of Medicine to develop a Massive Open Online Course (MOOC) on sports-related concussion, she knew parents would likely be interested. The MOOC team collaborates with experts to develop online courses, sharing their expertise with anyone, anywhere. Dr. Schneider, an ACHRI member, is also a member of the Integrated Concussion Research Program and an assistant professor in the Faculty of Kinesiology. Read

Study identifies distinct patterns of communicative delays
ACHRI's trainee, Dr. Rochelle Hentges, PhD discusses possible risk factors and profiles of children struggling to achieve developmental milestones in communication and language and how they can be best supported to reach their full potential. This new research is published in the Journal of Developmental and Behavioral Pediatrics. Dr. Hentges is a postdoctoral fellow at the University of Calgary. Read

New research unfolds the DNA "origami" behind brain cancers
Researcher Dr. Marco Gallo, PhD, is collaborating with researchers from the Ontario Institute for Cancer Research to map the 3D genomic structure of glioblastoma, the most common type of malignant brain cancer in adults. The study was recently published in Genome Research and has discovered a new way to target glioblastoma stem cells – the self-renewing cells thought to be the root cause of tumour recurrence. Dr. Gallo is an assistant professor in the departments of Physiology & Pharmacology, and Biochemistry & Molecular Biology. Read

Dr. Lodha explores lung ultrasound
Dr. Abhay Lodha, MD has published a new editorial in the *Journal of Pediatrics* titled “Use of Lung Ultrasound to Improve Timeliness of Surfactant Replacement in Respiratory Distress Syndrome: Are we Ready?” The article explores the management of respiratory distress syndrome in children. Dr. Lodha is a neonatologist and an associate professor in the Department of Pediatrics. Read

**ACHRI RESEARCH SYMPOSIUM**

**SAVE THE DATE for the ACHRI Research Symposium**

**Thurs., December 12 & Friday, December 13**

We are inviting all members and trainees to the Banff Centre for the inaugural ACHRI Research Symposium. It is designed to bring ACHRI researchers together, spark collaboration, and showcase global leaders in child health. The Symposium will feature keynote speakers, trainee talks, and poster sessions. Please hold this date in your calendar as registration will open in August. **Program overview**

**MATERNAL CLUB**

**ACHRI Maternal Health Journal Club**

Drs. Donna Slater, Claudia Klein, and Amy Metcalfe would like to invite all members and trainees to participate in the inaugural meeting of the ACHRI Maternal Health Journal Club on **Wednesday August 7, 2019 from 11:30am - 1pm in Women's Health Room 255 at the Foothills Campus**. Lunch will be served, so please RSVP to Jill Vaughan (jill.vaughan@ahs.ca). The first paper discussed can be **viewed here**.

**CALL FOR PROPOSALS**

**CALL FOR PROPOSALS**

The Calgary Health Trust (CHT) Newborn Maternal Health Research Initiative is seeking to support a single Team Grant led by full-time faculty members based at the University of Calgary, ultimately aimed at reducing the rate of preterm births in the Calgary Zone. The Trust has committed up to $1 million/year for 5 years in support of this initiative, which will have a transformative impact on improving the health of Albertans and their families, delivering world-class health care in Alberta and enhancing the quality of life for our community. **Details on call for proposals**

Grant summary deadline: September 1, 2019
Full submission deadline: December 12, 2019

**ACHRI SUMMER STUDENT WORKSHOPS**

The sessions are part of the Owerko and ACHRI Summer Student Workshop series. All registrants will receive the presentation slides via email. This series is open to all summer students supervised by an ACHRI mentor. Spots are limited. **Register here.**

- **Wed., July 31** Clara Christie Theatre, HSC 12 pm - 1 pm How to write an abstract
- **Friday, Aug. 23** Theatre Four, HSC 12 pm - 1 pm Session at ACHRI's Summer Student Research Day. Leveraging your summer studentship

**GRANT OPPORTUNITIES**

**The CIHR Project Grant**

**Registration:** August 14, 2019
**RSO Internal Deadline:** September 9, 2019 at 9:00 a.m.

**CIHR Early Career Investigator Awards**

2019 Early Career Investigator Awards in circulatory and
CONFERENCE AND LECTURES

SUMMER BREAK - ACHRI's theme lecture series will return in September

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Mon., Sept. 16 - CAIR presents The Teen Brain: A Public Event
Dr. Beatriz Luna, PhD, University of Pittsburgh
6:30 - 8:30 pm
Alberta Children's Hospital Auditorium
REGISTER HERE

Thurs., Oct. 3 - Overko Family Lecture:
"The Continuing ADHD Explosion - and the Continuing Stigmatization of Mental Disorders: A Synthesis"
Dr. Stephen Hinshaw, PhD, UC Berkeley
2:00 - 3:00 pm
Theatre 4, Health Sciences Centre

Wed., Oct. 16 - CSM and ACHRI Science in the Cinema Presents Wonder
Keynote Speakers: Dr. Adam McCrimmon, PhD and Dr. Kelly Dean Schwartz, PhD
6:30 - 9:00 pm
Plaza Theatre, Calgary

Wed., Nov. 6 - Gairdner Symposium on Precision Medicine
Libin Theatre, Health Sciences Centre

Thurs., Dec. 12 & Friday, Dec. 13 - ACHRI Research Symposium
Banff Centre of the Arts
Registration coming soon

Alberta Children's Hospital Research Institute is supported by generous community donations through the Alberta Children's Hospital Foundation. We believe in a healthier and more prosperous future for children through research.