



Weekly Newsletter

03.11.19

WORKSHOP



ACHRI and Charbonneau Institutes offer innovative genomics workshop

In collaboration with 10x Genomics, ACHRI and the Charbonneau Institutes are presenting a series of single-cell genomics seminars to assist investigators in overcoming the limitations of current short-read technology. The featured speakers include ACHRI's **Dr. Marco Gallo, PhD**, assistant professor in the departments of Physiology & Pharmacology and Biochemistry & Molecular Biology and **Dr. Sorana Morrissy, PhD**, assistant professor in the Department of Biochemistry & Molecular Biology. The seminar will run on **March 12, 1-3 pm in Theatre 3, Health Sciences Centre**. Seating is limited, but there is still room to enroll. [Register](#)

PUBLICATION



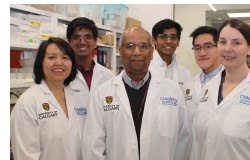
Reference tool to advance cancer research

Dr. Quan Long, PhD, and his research lab have developed a reference tool to assist in cancer research. Accurate detection of somatic mutations is a crucial step toward understanding cancer. However, read mapping is frequently obstructed by mismatches between germline and somatic mutations on a read and the reference genome. Dr. Long has developed a tool that builds personalized reference genomes by integrating germline mutations into the reference. The research is published in the journal **Bioinformatics**. Dr. Long is an assistant professor in the departments of Medical Genetics and Biochemistry and Molecular Biology.

IN THE LAB

Dr. Aru Narendran's lab

Dr. Aru Narendran's lab focuses on the development of a "trial-in-a-cell" approach for future personalized cancer treatments in children including a neoantigen based cancer vaccine program for refractory childhood tumors. The lab has expertise in establishing molecularly relevant cell lines and tumor xenografts to identify novel therapeutics and biological agents for relapsed pediatric cancers. The lab's research is part of the Pediatric Oncology Experimental Therapeutics Investigators' Consortium (**POETIC**) to promote the early phase clinical trials of promising cancer therapies for children. Dr. Narendran is a professor in the departments of Pediatrics, Oncology and Biochemistry & Molecular Biology and holds The Kids Cancer Care Foundation Endowed Chair in Clinical and Translational Research. **Lab from left)**



RECOGNITION



Dr. Suzanne Tough recognized by United Nations Women's Day

Congratulations! **Dr. Suzanne Tough** was recognized by the United Nations on March 8 as one of 100 women around the world whose work is being celebrated by the UN Women Global Innovation Coalition For Change. "This recognition by the UN reflects on the research we've conducted over the last 20 years to help families be strong," says Tough. "When you enable families to be strong and healthy, you create a path for empowering young women." Tough is a professor in the Cumming School of Medicine's departments of Paediatrics and Community Health Sciences and holds a Senior Policy Fellow with the Burns Memorial Fund and Max Bell Foundation. [READ](#)

ACHRI 10th ANNIVERSARY



This week on our **ACHRI 10th anniversary celebration** series, we showcase the outstanding child health research of **Dr. Susan Graham**, Director of the Owerko Centre at the Alberta Children's Hospital Research Institute and professor in the Department of Psychology, Faculty of Arts. Dr. Graham received the university's top award, the prestigious Peak Scholar, in 2018 for achievement in innovation and knowledge engagement. Dr. Graham's research program examines child development during the infancy and preschool years with specific attention on identifying the interactive trajectories of early language, cognitive, and social-cognitive development. You are welcome to share on social media. [READ MORE.](#)

TRAINEE UPDATE

Trainee workshops::

HBi REALISE Module: Writing Bias: March 19, 2019, 1 - 3 PM, HSC G801E.

The session will cover topics such as writing of grant/fellowship/scholarship applications as well as letters of support or recommendation.

Presented by Jenna Slobozian. Register for this workshop [here](#).



SAVE THE DATE March 27, 2019

Social Media Workshop

For more information visit [ACHRI Trainee Weekly Bulletin](#)

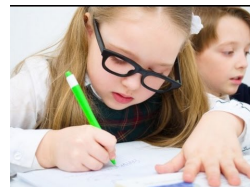
GRANT OPPORTUNITIES

CIHR - Operating Grant : Early Career Investigator Grants in Maternal, Reproductive, Child & Youth

Registration: April 2, 2019

RSO Internal Deadline May 9, 2019 at noon

Contact: Anna LeMarquand



SickKids Foundation New Investigator Research Grants Guidelines

RSO Internal Deadline: April 17, 2019 at noon

Contact: Katie Ryan

For more information on these opportunities and others, visit [Child Health Research Funding](#)

CONFERENCES, WORKSHOPS and LECTURES

Conferences and Workshops

March 15

Methods for Change: Knowledge Co-Creation Across Disciplines and Sectors

Register (free event sponsored by SSHRC)

April 23-26

Childhood Arthritis & Beyond Meeting

Lessons learned in childhood arthritis and the future of research

Location: Chateau Lake Louise

May 29

Child Health Research Symposium

Speaker: Dr. Janet Rossant, PhD, FRS, FRSC

Location: Theatre Four, HSC Foothills Campus

May 30

ACH Quality Forum

Deadline for abstracts March 15

contact ach.qualitycouncil@ahs.ca

Location: ACH 4th floor Amphitheatre 8am-2:30pm

June 5

Owerko Centre Conference

Speakers: Dr. Yona Lunksy, PhD and Dr. Russell Schachar, MD

Location: Theatre Four, HSC Foothills Campus

Lectures

March 18 | 8:30 am to 9:30 am Developmental Neurosciences Grand Rounds

Title: Diagnostic and therapeutic options in refractory pediatric epilepsy

Speaker Dr. Felipe Borlot, MD

Location: ACH 4th floor Amphitheatre

March 28, 2019 | 11:00 am to 12:00 pm Genes, Development and Health Lecture

Title Regulatory principles governing enhancer function during development

Speaker Dr. Emma Farley, PhD

Location: Theatre 1, Foothills Campus

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.

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