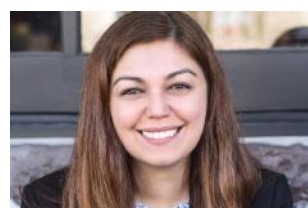


Publications of the Week

Cardiac Ryanodine Receptor Distribution Is Dynamic and Changed by Auxiliary Proteins and Post-Translational Modification

First Author: Parisa Asghari (pictured) | Senior Author: Edwin Moore
eLife | UBC



The effects of the immunophilins FKBP12 and FKBP12.6, and phosphorylation on type II ryanodine receptor (RyR2) arrangement and function were examined using correlation microscopy and dSTORM imaging of permeabilized Wistar rat ventricular myocytes. Phosphorylation of immunophilin-saturated RyR2 resulted in structural and functional changes largely comparable to phosphorylation alone.

[Abstract](#)

Bone Morphogenetic Protein 2 Promotes Human Trophoblast Cell Invasion and Endothelial-Like Tube Formation through ID1-Mediated Upregulation of IGF Binding Protein-3

First Author: Hong-Jin Zhao | Senior Author: Peter Leung (pictured)
The FASEB Journal | BC Children's Hospital Research Institute



The authors examined the effects of bone morphogenetic protein 2 (BMP2) on inhibitor of DNA binding 1 (ID1) and insulin-like growth factor binding protein 3 (IGFBP3) expression and their roles in BMP2-regulated human trophoblast invasion and endothelial-like tube formation. ID1 was essential for BMP2-induced IGFBP3 upregulation in both study models, and BMP2-induced trophoblast invasion was attenuated by knockdown of either ID1 or IGFBP3. [Abstract](#)

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Awards

Dr. Ly Vu Awarded Prestigious American Society of Hematology Scholar Award

BC Cancer



Dr. Ly Vu (pictured) has been awarded a three-year Basic/Translational Fellow to Faculty Award from the American Society of Hematology (ASH). Dr. Vu has received funding of \$125,000 USD for her research, "Uncovering the Role of CNOT poly(A) deadenylation in Acute Myeloid Leukemia." This is one of ASH's most prestigious research award programs. [Read More](#)

Research Excellence Clusters Funded in 2020/21

UBC Research + Innovation



Twenty-six research excellence clusters led by researchers on UBC's Vancouver campus will be funded through the Research Excellence Clusters initiative in 2020/21. These clusters are inter-departmental networks of researchers at UBC who collectively represent leaders in a particular field of study. Funded clusters include the BC Diabetes Research Network and BCREGMED. [Read More](#)

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Local News

New Molecule Could Enhance the Efficacy of Childhood Cancer Treatments

Vancouver Coastal Health Research Institute



Translational cancer research led by Dr. Mads Daugaard (pictured) at the Vancouver Prostate Centre is investigating a therapy for childhood solid tumours that combines a proven immune system engaging molecule and a protein derived from the malaria parasite. Unlike their adult counterparts, childhood solid tumours often lack the numerous mutations that make it easier for treatments to help the body's immune system detect and attack the disease. [Read More](#)

Podcast Launched "Diabetes: From Beta Cells to Bicycles"

BC Diabetes Research Network



The BC Diabetes Research Network has launched their official podcast: "Diabetes: From Beta Cells to Bicycles". In the first season, host Krista Lamb (pictured) sits down with six prominent diabetes researchers in British Columbia, discussing the many aspects of diabetes research and the exciting work being done in the province. [Read More](#)

New Research Identifies Third Gene Behind Rare Overgrowth Syndrome in Children

BC Children's Hospital Research Institute



Dr. William Gibson (pictured) from BC Children's Hospital, along with graduate student Shari Cyrus and collaborators from across the globe, have identified 11 patients with a defect in the gene *SUZ12* that the researchers show is responsible for childhood overgrowth, developmental delay and intellectual disability. This work cements earlier reports of individual patients into a new, previously undescribed syndrome. [Read More](#)

adMare Biolnnovations & Accel-Rx Unite to Advance the Canadian Life Sciences Sector

adMare Biolnnovations



With a shared vision to be a catalyst for Canadian life sciences leading the world, adMare Biolnnovations, Canada's global life sciences venture, and Accel-Rx, Canada's health sciences accelerator, have announced that they are bringing their respective capabilities and resources together under adMare to create a world leading organization. [Read More](#)

When Extraordinary Meets Ordinary: Profiling Daniel Luo

Centre for Blood Research



Although Centre for Blood Research member Daniel Luo (pictured) describes himself as a "typical 25-year old who plays games, reads books, listens to podcasts and socializes at the pub", his passion for research, work ethic on committees, and optimistic mindset is anything but ordinary. As a PhD student in the Kizhakkedathu Lab, Daniel has made the most of some amazing opportunities. [Read More](#)

UBC Researchers Seek Participants for Spinal Cord Injury Study

UBC News



Chronic pain is a common and often debilitating problem that can significantly impact function and quality of life for patients with spinal cord injury. To help find treatment solutions, UBC researchers are investigating the effectiveness of a drug called Targin at treating chronic pain in individuals with spinal cord injury. The research team is now recruiting study participants. [Read More](#)

Chinook Therapeutics Obtains Worldwide Rights from AbbVie to Atrasentan with Plans to Develop for the Treatment of Kidney Diseases

Chinook Therapeutics



Chinook Therapeutics, Inc., a biotechnology company focused on developing precision medicines for kidney diseases, has announced that it has entered into a license agreement with AbbVie, a research-based global biopharmaceutical company, for worldwide, exclusive rights to atrasentan, an endothelin receptor antagonist. [Read More](#)

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Upcoming Events in Vancouver

January 21 12:00 PM	Brown Bags @UBC Chan Gunn Pavilion
January 22 6:00 PM	UBC/BCIT Biotechnology Networking Night AMS Student Nest
January 22 7:00 PM	Nerd Nite v49: Waterslides, Ecology, and Oil Tankers Fox Cabaret
January 23 4:00 PM	D.R.I.N.K.S. (Discussions Relevant to Inspiring New Knowledge and Science) Mahony and Sons, Stamps Landing
January 23 4:30 PM	Gene Editing: A Silvery Bullet or a Tool for Eugenics? Morris J. Wosk Centre for Dialogue

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STEMCELL Jobs in Vancouver

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STEMCELL Technologies

Scientific Marketing Specialist, Epithelial Cell Biology
STEMCELL Technologies

Product and Scientific Support Specialist
STEMCELL Technologies

Content Editor & Corporate Writer
STEMCELL Technologies

Social Media Coordinator
STEMCELL Technologies

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Zymeworks

Scientist, Assay Development & High-Throughput Screening
AbCellera

Research Associate, Formulations
Amgen

Postdoctoral Fellow/Research Associate
BC Cancer

Field Application Scientist
MGI

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GETTING ENOUGH CORD BLOOD HSCs FOR TRANSPLANTATION ISN'T EASY. BUT SHE IS PAVING THE WAY.

Webinar by Suzan Imren



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