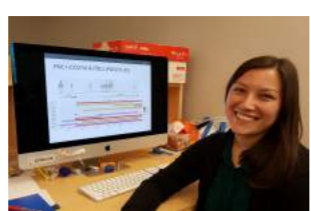


Publications of the Week

High-Resolution Architecture and Partner Genes of MYC Rearrangements in Lymphoma with DLBCL Morphology

 First Author: Lauren Chong (*pictured*) | Senior Authors: Christian Steidl and David Scott


The authors characterized the location of *MYC* rearrangement at base pair resolution and identified the partner in 88 cases. They also compared two commercially available fluorescence *in situ* hybridization break-apart assays for the *MYC* locus and observed discordant results in 32% of cases examined, including some with *MYC-IGL* and *MYC-IGK* rearrangements. [Abstract](#)

Arrhythmia Mutations in Calmodulin Cause Conformational Changes that Affect Interactions with the Cardiac Voltage-Gated Calcium Channel

 First Author: Kaiqian Wang | Senior Author: Filip Van Petegem (*pictured*)


Calmodulin (CaM) represents one of the most conserved proteins among eukaryotes. Recently, several disease-associated mutations have been identified in the *CALM* genes that are causative of severe cardiac arrhythmia syndromes. The authors report a crystallographic and NMR investigation of several disease mutant CaMs, linked to long-QT syndrome, in complex with the IQ domain of the cardiac voltage-gated calcium channel. [Abstract](#)

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Awards

New Faculty Member Recognized as Next Generation Leader by Allen Institute

Djavad Mowafaghian Centre for Brain Health



The Allen Institute in Seattle announced their 2018 Next Generation Leaders, a group of six early-career neuroscientists who will participate in a special advisory council for the Allen Institute for Brain Science, a division of the Allen Institute. Included among them is new UBC faculty member Dr. Mark Cembrowski (*pictured*), who will be establishing his lab and joining the brain research community at UBC in early 2019. [Read More](#)

Congratulations to Chris Turner, Who Has Been Awarded the 2018 AWTRS Young Investigator Award

Regenerative Medicine Cluster Initiative in BC



Postdoctoral Fellow, Chris Turner (*pictured*) was awarded the Australasian Wound & Tissue Repair Society (AWTRS) Young Investigator of the Year Award at the 2018 Cutaneous Biology Conference in Australia. Dr. Turner also received a 2018 BCREGMED Travel Award for his abstract, *Granzyme K expressed by classically activated macrophages contributes to inflammation and impaired remodeling in burns*. [Read More](#)

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Local News

Innovative Food, Horticulture and Nutrition Research at KPU Secures Major Funding

Kwantlen Polytechnic University



A search for natural alternatives to pesticides is one of the innovative Kwantlen Polytechnic University (KPU) research projects benefitting from nearly \$600,000 of new funding. Projects to ease access to healthy food for several Indigenous communities and develop healthy eating habits in young adults were also supported by the Natural Sciences and Engineering Research Council of Canada grants. [Read More](#)

A Day in the Lab: New Lab Space Dedicated to Blood Collections for Research Studies

Vancouver Coastal Health Research Institute



A short walk down the hall behind the information desk at Vancouver General Hospital, in the laboratory medicine wing, is a new resource for Vancouver Coastal Health researchers – a collection space devoted specifically to blood work for research studies. The new research lab is now equipped with everything needed to collect, process and ship blood samples in order to expedite research. [Read More](#)

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Interesting Articles

Pharmacogenomics — Providing the Right Drug to the Right Patient at the Right Dose, at the Right Time

Hospital News



The 'one-size-fits-all' approach to health care is nearing an end, ushering in the era of precision. The future of health care lies in harnessing the power of molecular approaches embodied in modern genomics. The discipline of pharmacogenomics uses an individual's genetic profile to understand whether a person will benefit from a particular medication or suffer serious side effects. [Read More](#)

Can Canada Continue to Foster Globally Important Research at Universities?

The Globe and Mail



Far from a classroom exercise happening behind the walls of the ivory tower, university research is a fundamental component of Canada's economic health – both today and into the future. This year's federal budget marked the biggest investment in science and university research in Canadian history, as the government allotted \$925-million in new funding for research over the next five years. [Read More](#)

From Laboratory to Legislature: Fellowship Deploys 23 Researchers to Government

Mitacs



Beginning this fall, 23 researchers will undertake one-year placements in the federal and British Columbia governments to apply their expertise to develop policy-based solutions for pressing issues facing Canadians. The researchers, hailing from disciplines as disparate as climate change and quantum imaging, make up the 2018–19 cohort of the Canadian Science Policy Fellowship. [Read More](#)

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Upcoming Events in Vancouver

- November 14**
 6:00 PM **Precision Medicine: How Science Is Changing the Future of Healthcare**
 Telus World of Science
- November 15**
 7:15 AM **Earl W. Davie Symposium**
 Segal Building
- November 15**
 6:00 PM **VanBUG: "Are Protein and mRNA Levels Related? Why Do We Care?"**
 BC Cancer Research Centre
- November 16 - 17**
 8:00 AM **Vancouver Diabetes Research Day 2018**
 UBC Life Sciences Institute
- November 21**
 10:30 AM **4D LABS Seminar – Art & Design in Science Communication**
 SFU Burnaby

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