

[Publications of the Week](#)

Targeting BCR-ABL+ Stem/Progenitor Cells and BCR-ABL-T315I Mutant Cells by Effective Inhibition of the BCR-ABL-Tyr177-GRB2 Complex

Chen, M. and Jiang, X., et al. | *Oncotarget* | UBC and BC Cancer Agency

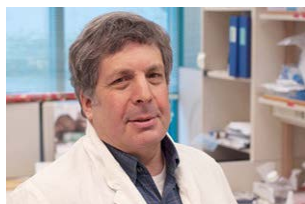


The authors demonstrated that newly developed, selective SNG inhibitors, which target specific oncogene mutations and cancer survival pathways, in combination with current standard treatment drugs, are significantly more effective in eliminating drug-insensitive blood cancer stem cells and mutant cells obtained from chronic myeloid leukemia patients, while not being toxic to healthy bone marrow cells.

[Profile](#) | [Abstract](#)

Relatively Frequent Switching of Transcription Start Sites during Cerebellar Development

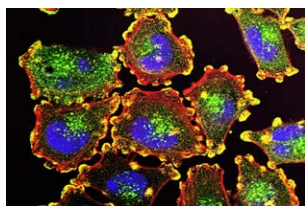
Zhang, P. and Goldowitz, D., et al. | *BMC Genomics* | UBC, CMMT, and BCCHRI



Alternative transcription start site (TSS) usage plays important roles in transcriptional control of mammalian gene expression. However, exploration of the switching usage of alternative TSS usage on a genomic level, especially in the central nervous system, is largely lacking. The authors analyzed the usage of TSSs during cerebellar development, identifying 48,489 novel TSS switching events in 5433 genes. [Abstract](#)

GATA3 Immunohistochemistry for Distinguishing Sarcomatoid and Desmoplastic Mesothelioma from Sarcomatoid Carcinoma of the Lung

Berb, K.B. and Churg, A. | *The American Journal of Surgical Pathology* | UBC



GATA binding protein 3 (GATA3) is most commonly used as an immunohistochemical marker of breast and urothelial carcinoma, but is also known to stain other types of tumors including some mesotheliomas. The authors asked whether GATA3 stains could be used to distinguish sarcomatoid/desmoplastic malignant mesotheliomas from sarcomatoid carcinomas of the lung. [Abstract](#)

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June 2017 Award Recipient Summary



Learn about the Vancouver researchers who received grants, awards, fellowships, and scholarships this past month! Winners include Dr. Brianne Kent (pictured), a postdoctoral fellow under the supervision of Dr. Haakon Nygaard at the University of British Columbia, who is one of four recipients of the 2016-17 Banting Postdoctoral Fellowship within UBC's Faculty of Medicine. [Read More](#)

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Local News

To Improve Access to Science Funding, Support the Report

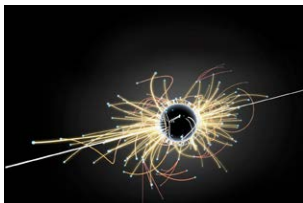
Djavad Mowafaghian Centre for Brain Health (UBC)



UBC's Dr. Lissa Galea discusses the significance of the Fundamental Science Review, a review of federal support for science commissioned by Canada's Minister of Science. The report emphasizes the protection of funding for basic research, with more funding directed towards investigator-driven research at the expense of targeted priority-driven and partnership-oriented research. [Read More](#)

Accenture Labs and 1QBit Work with Biogen to Apply Quantum Computing to Accelerate Drug Discovery

Accenture



Accenture and Vancouver-based quantum software firm 1QBit collaborated with Biogen to develop a first-of-its-kind quantum-enabled molecular comparison application that could significantly improve advanced molecular design to speed up drug discovery for complex neurological conditions such as multiple sclerosis, Alzheimer's, Parkinson's and Lou Gehrig's Disease. [Read More](#)

Cardiome Announces Commercial Launch of BRINAVESS® in Canada

Cardiome via PR Newswire



Cardiome Pharma Corp. has announced that it has received authorization from Health Canada to begin selling BRINAVESS® (vernakalant hydrochloride, IV) in Canada. BRINAVESS® is an antiarrhythmic drug that acts preferentially in the atria by prolonging atrial refractoriness and slowing impulse conduction in a rate-dependent fashion. [Read More](#)

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Upcoming Events in Vancouver

- July 6 **UBC/SFU Postdoctoral Association Joint Social**
Steamworks Brew Pub
- July 8 **North Shore Youth STEM Fair**
Carson Graham Secondary School
- July 9 - 11 **Neurofutures 2017**
Forest Sciences Centre, UBC
- July 13 **UBC Postdoctoral Association Ice Cream, Beer & Bingo**
Paradiso Italian Gelato
- July 13 **Women in Science**
Big Rock Urban Brewery and Eatery

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Science Jobs in Vancouver

Product Marketing Manager, Neural

STEMCELL Technologies

Education Coordinator

STEMCELL Technologies

Research Associate

Centre for Heart Lung Innovation, UBC

Postdoctoral Fellow

BC Cancer Agency

Laboratory Technician - Microbiology

Maxxam Analytics

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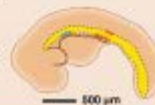
SnapShot: GI Tract Development

Key Stages of Endoderm Organogenesis at Your Bench



Organ specification

e9.0
~15 somites



Organ buds

e9.5
~25 somites



[Free Wallchart](#)



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