

Publications of the Week
TIM-3 Expression in Breast Cancer

 First Author: Samantha Burugu (*pictured, back row, second from right*) | Senior Author: Torsten Nielsen (*pictured, right*)
 Oncology | UBC and the BC Cancer Agency


T-cell immunoglobulin and mucin domain-containing molecule 3 (TIM-3) is an immune checkpoint receptor that is an emerging target for cancer immunotherapy. The authors investigated TIM-3 immunohistochemical expression in 3,992 breast cancer specimens assembled into tissue microarrays, linked to detailed outcome, clinico-pathological parameters and biomarkers including CD8, PD-1, PD-L1 and LAG-3. [Profile](#) | [Abstract](#)

DNA Methylation Profiling of Acute Chorioamnionitis-Associated Placentas and Fetal Membranes: Insights into Epigenetic Variation in Spontaneous Preterm Births

 First Author: Chaini Konwar (*pictured, third from right*) | Senior Author: Wendy Robinson (*pictured, left*)
 Epigenetics & Chromatin | BC Children's Hospital Research Institute and UBC


Placental inflammation, often presenting as acute chorioamnionitis (aCA), is commonly associated with preterm birth. The authors characterized epigenetic variation associated with aCA in placenta (chorionic villi) and fetal membranes (chorion and amnion) to better understand how aCA may impact processes that lead to preterm birth. [Profile](#) | [Abstract](#)

A Prospective Analysis of Human Leukemogenesis

 Author: Connie Eaves (*pictured*)
 Stem Cell Reports | Terry Fox Laboratory


Decades of lack of progress in treating many fatal malignancies of the blood-forming system is commanding interest in new approaches. Targeting early events in the leukemogenic process has long been recognized as likely to offer the information required for these diseases. Analysis of the representation of different mutations in the leukemic cells from individual patients offers a retrospective method to infer their sequence of acquisition and associated subclonal dynamics. [Abstract](#)

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Local News
Indigenous Peoples & Genomics: Starting a Conversation

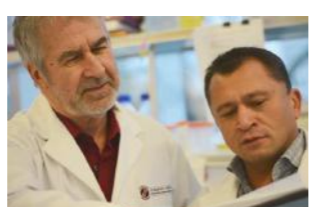
GenomeTalk via Youtube



Genomic sequencing is a powerful way to test for many medical conditions, but it sometimes doesn't work as well for some ancestral groups, including Indigenous Peoples. This video summarizes the issue of inequity in genomic healthcare for Indigenous Peoples and the views the participants shared with us about the issue and possible solutions. This project held four sharing circle focus groups about this issue with 30 Indigenous participants in the Vancouver, BC area. [Watch Now](#)

A Novel Approach to Outsmart Prostate Cancer

Vancouver Coastal Health Research Institute



At the Vancouver Prostate Centre, Vancouver Coastal Health Research Institute scientists, Dr. Artem Cherkasov (*pictured, right*) and Dr. Paul Rennie (*pictured, left*) are combining teamwork and state-of-the art technology to target an aggressive and deadly form of prostate cancer. They focus on the androgen receptor—a protein that is regulated by male hormones and represents one of the main drivers of prostate cancer. [Read More](#)

Novel Discovery Could Lead to New Cancer, Autoimmune Disease Therapy

UBC News



A new discovery by an international research team—co-led by UBC Canada 150 Research Chair Josef Penninger (*pictured*) and Harvard Medical School neurobiologist Clifford Woolf—could have implications for therapies for cancer and autoimmune diseases. The researchers found that BH4—a molecule needed to produce the "happiness hormone" serotonin or dopamine—controls the growth of T cells. [Read More](#)

Science World Has Launched a New Program to Get More Girls and Indigenous People into Tech

The Georgia Straight



Creating an initiative named Symbiosis, Science World hopes to empower female and marginalized youth to pursue careers in STEAM areas by increasing access to high quality educational activities for all. The first program of its kind in Canada, Symbiosis endeavours to prep school-age kids in B.C. for the future job market by connecting students across the province with mentors, resources, and technology. [Read More](#)

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Major New Investment in Diverse Research Talent Ushers in a New Era for Discovery in Canada

Government of Canada



The Honourable Kirsty Duncan (*pictured*), Minister of Science and Sport, has announced significant investments in the Canada Research Chairs Program to attract and retain some of the world's most accomplished and promising minds. The announcement includes a new investment of \$210 million over the next five years, through budget 2018, that will add 285 new chairs. [Read More](#)

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Upcoming Events in Vancouver

- November 21 10:30 AM **4D LABS Seminar – Art & Design in Science Communication**
SFU Burnaby
- November 21 7:00 PM **Café Scientifique – The Truth about Bats and Rabies**
Telus World of Science
- November 21 7:30 PM **Nerd Nite v.39: Tumours, Silk, and Art in Space**
Fox Cabaret
- November 23 4:00 PM **D.R.I.N.K.S (Discussions Relevant to Inspiring New Knowledge and Science)**
Mahony and Sons, Stamps Landing
- November 27 7:00 PM **KPU Speaker Series: The Unexamined Life Is Not Worth Living: Science, Skepticism and Evidence in the Age of 'Alternative Facts'**
Telus World of Science

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