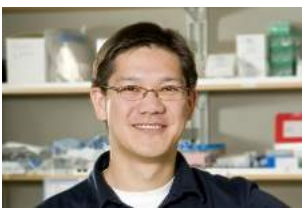




Publications of the Week

NOTCH1 Dimeric Signaling Is Essential for T-Cell Leukemogenesis and Leukemia Maintenance

First Author: Francesco Tamiro | Senior Authors: Andrew Weng (*pictured*) and Vincenzo Giambra
Blood | BC Cancer Research Institute



T-cell acute lymphoblastic leukemia (T-ALL) is an aggressive malignancy that is characterized by an expansion of T-cell progenitors and DNA mutations that lead to overactive NOTCH1 signaling in >50% of T-ALL cases. Using synthetic models of human T-ALL, researchers report that NOTCH1 dimeric signaling was crucial for the leukemogenesis of human hematopoietic stem/progenitor cells from cord blood.

[Abstract](#)

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Awards

From Lab Bench to National Honour: Nasserri Wins Governor General's Gold Medal

UBC Department of Chemistry



Dr. Seyed Amirhossein Nasserri (*pictured*) has been named the recipient of the Governor General's Gold Medal—one of the highest academic honours awarded to graduate students in Canada. "It's a great honour, of course," he reflects, "but more than anything, it feels like recognition of the mentorship and support I've received. This award has my name on it, but it belongs just as much to the people who helped me get here." [Read More](#)

Nine SBME Research Projects Receive Major Funding from the Stem Cell Network

UBC School of Biomedical Engineering (SBME)



Nine research projects led by investigators from the SBME have been awarded funding from the Stem Cell Network to advance cutting-edge research in stem cell and regenerative medicine. These awards represent a significant investment in Canada's leadership in this rapidly evolving field. One of this year's awardees is Dr. Nika Shakiba (*pictured*). [Read More](#)

UBC Researchers Awarded More Than \$6.5 Million From Brain Canada to Advance Neuroscience Research

Djavad Mowafaghian Centre for Brain Health



UBC Faculty of Medicine researchers have been awarded more than \$6.5 million from Brain Canada's Platform Support Grants program to support two pioneering neuroscience research platforms. The funding will help Drs. Mark Cembrowski (*pictured*) and Brian Kwon accelerate discovery and foster open science, helping to position Canada at the forefront of global brain and spine health innovation.

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Local News

Could AI and Lab-Grown Sperm Solve Male Infertility?

UBC Faculty of Medicine



In a world-first, Dr. Ryan Flannigan (*pictured*) and research colleagues at the UBC-VGH M.H. Mohseni Institute of Urologic Sciences have bio-printed a model of human testicular tissues using hiPSCs. Building on an earlier UBC breakthrough, the team generated four types of testicular cells from the stem cells, and printed them into a structure resembling the tiny tubes in the testes where sperm are produced. [Read More](#)

Exercise Improves Survival for Colon Cancer Patients

UBC Faculty of Medicine



In a world-first clinical trial, a team of international researchers working with the Canadian Cancer Trials Group have demonstrated that a structured exercise program significantly improves survival for colon cancer patients by reducing the risk of disease recurrence and new primary cancers. The Vancouver study site was led by Drs. Sharlene Gill (*pictured*) and Howard Lim. [Read More](#)

Inspiring the Next Generation of Scientists: Geneskool Field Trip at the GSC

BC Cancer Research Institute



The Genome Sciences Centre (GSC) welcomed a group of enthusiastic high school students as part of Geneskool, a Genome BC education program designed to spark interest in genomics and life sciences among students in grades 9 through 12. During their recent campus field trip, students toured the state-of-the-art labs, performed hands-on experiments, and gained a firsthand look at how genomics is transforming healthcare, environmental research, and biotechnology. [Read More](#)

Meet the Researcher: Dr. Tanya Bennet, Postdoctoral Research Fellow, Cheung Lab

The Centre for Blood Research



Dr. Tanya Bennet (*pictured*) is a postdoctoral research fellow at the Centre for Blood Research. She is working on the interdisciplinary collaborative project Mend the Gap, where her and her team's aim is to develop a novel biomaterial-based treatment for spinal cord injury. Her particular focus is on translation from the *in vitro* to *in vivo* setting. [Read More](#)

Delivering AI's Promise of Better Health Care

UBC AI and Health Network



Jump-started by a \$22.5 million gift from the Gordon B. Shrum Charitable Fund, UBC's new AI and Health Network is deploying powerful artificial intelligence tools to drive health system innovation and improve patient care. Drs. Raymond Ng (*pictured, left*) and Anita Palepu (*right*) have been appointed as co-leaders of the UBC AI and Health Network. [Read More](#)

New Proposal Aims to Protect Patients With High-Risk Brain Implants

Djavad Mowafaghian Centre for Brain Health



As companies such as Neuralink begin human trials of high-risk brain implants, a new proposal calls for a major change in how the U.S. handles injuries caused by the devices. The article published in *Science* by UBC's Dr. Judy Illes suggests a "no-fault" compensation program to help patients harmed by devices like brain-computer interfaces—even when no one is legally at fault. [Read More](#)

Improving CAR T-Cell Manufacturing: Findings From the Piret Lab

UBC Michael Smith Laboratories



A study from Drs. James Piret (*pictured, left*) and Alina Kunitskaya (*right*) will help facilitate the manufacturing of CAR T cells by expanding the range of manufacturing conditions that can be used when the cells are at high concentrations. By offering new options for manufacturing, these improvements can reduce biomanufacturing costs and increase the accessibility of this treatment option for patients. [Read More](#)

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Upcoming Events in Vancouver

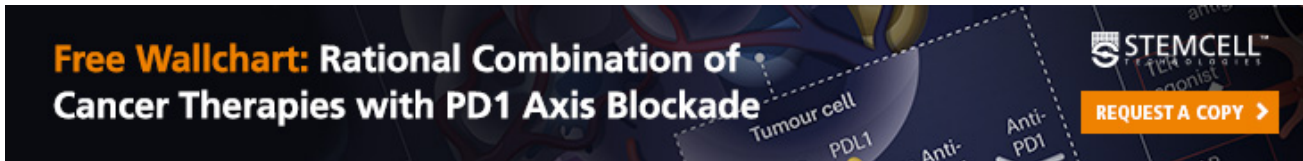
- | | |
|---------------------|--|
| June 25
11:30 AM | Queer Your (Science) Network
SFU Sci-Space |
| June 25
5:00 PM | LSBC Summer Social
Zymeworks |
| June 26
6:00 PM | After Dark: Lift-Off — LEGO® Bricks Edition
Science World |
| June 28
1:00 PM | 9th Global Conference on Public Health and Epidemiology
UBC Robson Square |
| June 29
10:00 AM | The Past, Present and Future of Evidence Based Medicine
St. Paul's Hospital |

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Science Jobs in Vancouver

- Process Engineer**
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- Sales Development Representative**
STEMCELL Technologies
- Associate Senior Technician, Formulation**
Cytiva
- Research Assistant**
UBC
- Co-op Student, Pharmacokinetics**
Zymeworks

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