

Publications of the Week

Polycomb Contraction Differentially Regulates Terminal Human Hematopoietic Differentiation Programs

First Author: Alireza Lorzadeh | Senior Author: Martin Hirst (pictured)
 BMC Biology | Michael Smith Laboratories, Terry Fox Laboratory, Canada's Michael Smith Genome Science Centre, BC Cancer, BC Children's Hospital Research Institute, and UBC



Lifelong production of the many types of mature blood cells from less differentiated progenitors is a hierarchically ordered process that spans multiple cell divisions. The nature and timing of the molecular events required to integrate the environmental signals, transcription factor activity, epigenetic modifications, and changes in gene expression involved are thus complex and still poorly understood. The authors generated comprehensive reference epigenomes of eight phenotypically defined subsets of normal human cord blood. [Abstract](#) | [Press Release](#)

The Field of Cell Competition Comes of Age: Semantics and Technological Synergy

First Author: Kieran Maheden (pictured) | Senior Author: Nika Shakiba
 Frontiers in Cell and Developmental Biology | UBC



Stem cells experience many selective pressures which shape their cellular populations, potentially pushing them to skew towards dominance of a few break-through clones. An evolutionarily conserved answer to curb these aberrant selective pressures is cell competition, the elimination of a subset of cells by their neighbours in a seemingly homogenous population. [Abstract](#)

[View All Publications](#)

Awards

Dr. Razvan Cojocaru Receives the Governor General's Gold Medal

SFU Graduate and Postdoctoral Studies



As one of SFU's most outstanding graduate students from the Department of Molecular Biology and Biochemistry, Dr. Razvan Cojocaru (pictured) is recognized with the Governor General's Gold Medal. Dr. Cojocaru's doctoral thesis, "In vitro evolution of a processive clamping RNA polymerase ribozyme with promoter recognition" examines the early evolution of life on Earth through RNA research. [Read More](#)

Dr. Gina Ogilvie Renewed as Canada Research Chair in Global Control of HPV-Related Disease and Cancer

UBC Faculty of Medicine



Faculty of Medicine Professor Dr. Gina Ogilvie (pictured) is among 15 UBC recipients of new and renewed Canada Research Chairs. Dr. Ogilvie's research is focused on both the public health and clinical aspects of reproductive health, sexually transmitted infections, human papillomavirus (HPV) screening, and the HPV vaccine, and her findings have been highly influential in setting and directing health policy both in Canada and globally. [Read More](#)

Cory Macklin's Hard Work Leads to a Governor General's Silver Medal

SFU



SFU Molecular Biology and Biochemistry student Cory Macklin (pictured) is one of two Governor General's Silver Medalists at SFU's Spring 2022 Convocation. This means that he is one of the two top undergraduates of his graduating class, finishing his degree with a perfect GPA of 4.33. He's grateful for the support of the Faculty of Science professors who helped to shape his time at SFU. [Read More](#)

[View All Featured Awards](#) | [View Monthly Award Summaries](#)

Local News

Genome BC Launches New \$1 Million Health Data Program for Researchers Working with Providence Health Care

Genome BC



Genomic research is leading to incredible advances in modern-day healthcare but combining health and genomic data can greatly accelerate new discoveries. To enable the advancement of medical research and patient care, Genome BC has committed an investment of up to \$1 million in partnership with Providence Health Care Ventures. [Read More](#)

"Accelerating Science": The Development of Isolatrix for Single Cell Isolation

Centre for Blood Research



Researchers from Dr. Karen Cheung's (pictured) lab are developing an innovative instrument that performs highly precise single cell isolation, to help other scientists with their whole genome sequencing applications. Called Isolatrix, the instrument is a benchtop tool that quickly and accurately provides single cells to scientists in labs, accelerating the pace of their scientific work. [Read More](#)

A New Podcast from Genome BC — "Nice Genes!" — Delivers a Fun-Sized Dose of Science and Stories

Genome BC



"Nice Genes!", a new podcast from Genome BC, combines smart conversations and engaging, irreverent storytelling to interrogate topics like the difference between 'genetics' and 'genomics', the role of genomics in mental health, and how the new field of environmental DNA or eDNA may provide answers to pressing conservation challenges. [Read More](#)

One Little Mutation Can Make All the Difference

Research2Reality



Biomedical engineer Dr. Carl de Boer (pictured) is taking a different approach to understanding how the genome works. Most groups study the genome itself, but his group makes variations to create and test the effects of new DNA sequences. "There's a couple different applications to our work," says Dr. de Boer, Assistant Professor at the UBC School of Biomedical Engineering. [Read More](#)

Conversations That Matter: Taking the Brain 'Virtual'

The Vancouver Sun



Over the past 20 years, scientists have made great strides in understanding the brain and at the same time they know very little about how it works. Enter renowned SFU neuroscientist Dr. Randy McIntosh (pictured) who identified a significant challenge, that being a need for a virtual brain that will house research from around the world. [Read More](#)

Developing and Implementing a Significant Step Forward for Alzheimer's Disease

Michael Smith Health Research BC



Over half a million Canadians are currently living with Alzheimer's disease or a related form of dementia. This urgent health care challenge is currently being tackled by a multi-disciplinary group of clinicians and scientists. Dr. Mari DeMarco (pictured), a Michael Smith Health Research BC Scholar, is leading the project, which also has match funding from Health Research BC. [Read More](#)

[View All Articles](#) | [Submit an Article](#)

Upcoming Events in Vancouver

- June 16 4:00 PM **Health xChange Vancouver**
Creekside Community Recreation Centre
- June 17-18 8:00 AM **BC Infectious Diseases Symposium**
Online
- June 20 10:00 AM **How to SGBA: Analyzing and Disseminating Your Data**
Online
- June 22 4:00 PM **HI Huddles™: Entrepreneurial Capabilities for Scientists: A Fireside Chat**
Online
- June 23 5:00 PM **Life Sciences BC Summer Social**
Marriott Pinnacle Hotel

[View All Events](#) | [Submit an Event](#)

STEMCELL Jobs in Vancouver

- Scientific Communications Associate**
STEMCELL Technologies
- Program Associate**
STEMCELL Technologies
- Manufacturing Technologist, Labs**
STEMCELL Technologies
- Business Development Specialist**
STEMCELL Technologies
- Scientist, Immunology**
STEMCELL Technologies

[View 86 Other STEMCELL Jobs](#)

Other Science Jobs in Vancouver

- Postdoctoral Research Fellow, Cancer Diagnostics & Cell Surface Proteomics**
UBC
- Associate Scientist, Cell Line Development (CMC/GMP)**
AbCellera
- Senior Research Associate, Multispecific Antibody Therapeutics**
Zymeworks
- Research and Innovation Manager**
Genome BC
- Biophysical Assays Scientist**
Gandeeva Therapeutics

[View 43 Other Science Jobs](#) | [Submit a Job](#)



Submit your articles and events by reaching out to us at info@scienceinvancouver.com.

BROUGHT TO YOU BY



- STEMCELL Technologies**
Products | Services
- STEMCELL Science News**
Free Weekly Updates on Your Field
- The Stem Cell Podcast**
Interviews and Updates on Stem Cell Science