

Publications of the Week

Control of Focal Adhesion Kinase Activation by RUNX1-Regulated miRNAs in High-Risk AML

First Author: Vijay Suresh Akhade (pictured, back row, far right) | Senior Author: Aly Karsan (back row, centre) | Leukemia | Canada's Michael Smith Genome Sciences Centre and UBC



Examination of paired RNA-seq and microRNA-seq data from 301 acute myeloid leukemia (AML) cases revealed two microRNAs that positively correlated with *RUNX1* expression, contained RUNX1-binding sites in their promoters and were predicted to target *PTK2*. The authors show that the *hsa-let7a-2-3p* and *hsa-miR-135a-5p* promoters are regulated by RUNX1, and that *PTK2* is a direct target of both miRNAs [Profile](#) | [Abstract](#)

Circulating Tumour DNA: Toward Evolving the Clinical Paradigm of Pancreatic Ductal Adenocarcinoma

First Author: James Topham | Senior Authors: David Renouf and David Schaeffer (pictured) | Therapeutic Advances in Medical Oncology | Pancreas Centre BC, BC Cancer, Vancouver General Hospital, and UBC



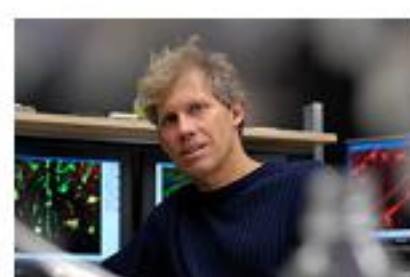
Over a decade of sequencing-based genomics research has unveiled a diverse somatic mutation landscape across patients with pancreatic ductal adenocarcinoma (PDAC), and the identification of druggable mutations has aligned with the development of novel targeted therapeutics. This review provides a clinically focused summary of circulating tumour DNA (ctDNA) advances, limitations, and opportunities in PDAC, and postulates ctDNA sequencing technology as a catalyst for evolving the clinical decision-making paradigm of this disease. [Abstract](#)

[View All Publications](#)

Awards

DMCBH Members Leading Four UBC Research Excellence Clusters in 2023-24

Djavad Mowafaghian Centre for Brain Health (DMCBH)



UBC's Office of the Vice-President, Research & Innovation has announced a total of 38 emerging and established Research Excellence Clusters that will be supported with funding in 2023/24. The Dynamic Brain Circuits in Health and Disease cluster seeks mechanistic insight into normal and dysfunctional brain circuits across nervous system illnesses and injuries and is led by Dr. Tim Murphy (pictured). [Read More](#)

CIHR Awards SFU Science Researchers \$2M in New Funding

SFU Faculty of Science



SFU Faculty of Science researchers have been awarded \$2M from the Canadian Institutes of Health Research (CIHR) through the recent Project Grant competition. The Project Grant program funds research in all areas of health with the greatest potential to generate new fundamental or applied knowledge to advance health care, health systems, and/or health outcomes. Dr. Glen Tibbits (pictured) received \$1.08M to study how thin filament variants induce hypertrophy cardiomyopathy, a congenital heart disease. [Read More](#)

CIFAR Researcher Carolina Tropini Is Appointed Alan Bernstein Fellow

Canadian Institute for Advanced Research (CIFAR)

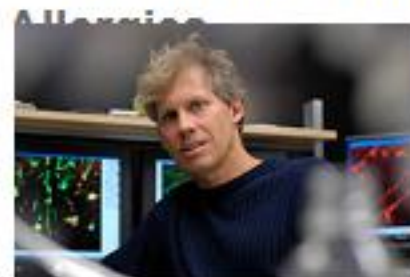


Dr. Carolina Tropini (pictured), a member of CIFAR's Humans & the Microbiome program, has been named the inaugural Alan Bernstein Fellow in honour of CIFAR's President Emeritus. With this appointment, CIFAR celebrates Bernstein's decade of leadership and his long-standing commitment to fostering the next generation of early career researchers. Close to 100 members of the CIFAR community supported the initiative, raising \$1 million. [Read More](#)

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

Local News

BC Children's Hospital Leads International Quest for Answers to Severe Allergies



UBC's Office of the Vice-President, Research & Innovation has announced a total of 38 emerging and established Research Excellence Clusters that will be supported with funding in 2023/24. The Dynamic Brain Circuits in Health and Disease cluster seeks mechanistic insight into normal and dysfunctional brain circuits across nervous system illnesses and injuries and is led by Dr. Tim Murphy (pictured). [Read More](#)

CIHR Awards SFU Science Researchers \$2M in New Funding

SFU Faculty of Science



SFU Faculty of Science researchers have been awarded \$2M from the Canadian Institutes of Health Research (CIHR) through the recent Project Grant competition. The Project Grant program funds research in all areas of health with the greatest potential to generate new fundamental or applied knowledge to advance health care, health systems, and/or health outcomes. Dr. Glen Tibbits (pictured) received \$1.08M to study how thin filament variants induce hypertrophy cardiomyopathy, a congenital heart disease. [Read More](#)

CIFAR Researcher Carolina Tropini Is Appointed Alan Bernstein Fellow

Canadian Institute for Advanced Research (CIFAR)



Dr. Carolina Tropini (pictured), a member of CIFAR's Humans & the Microbiome program, has been named the inaugural Alan Bernstein Fellow in honour of CIFAR's President Emeritus. With this appointment, CIFAR celebrates Bernstein's decade of leadership and his long-standing commitment to fostering the next generation of early career researchers. Close to 100 members of the CIFAR community supported the initiative, raising \$1 million. [Read More](#)

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

Local News

BC Children's Hospital Leads International Quest for Answers to Severe Allergies



a novel computer modeling workflow for predicting CAR T pharmacology and patient outcomes. Dr. Peter Zandstra (pictured), Director of the School for Biomedical Engineering (SBME) and Professor at the Michael Smith Laboratories, and Dr. Dan Kirouac, Adjunct Professor with the SBME, are co-authors on the recent *Nature Biotechnology* publication. [Read More](#)

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

Upcoming Events in Vancouver

- March 16 12:00 PM **What About Copper and Immuno-Oncology?** Online
- March 16 7:00 PM **Spring Break Science Slam** Fox Cabaret
- March 28 9:00 AM **BIG Research Day** Life Sciences Institute
- March 28 5:00 PM **Implementing & Maintaining Women's Employee Resource Groups** SFU VentureLabs
- April 27 7:40 PM **Science of Cocktails** Science World

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

STEMCELL Jobs in Vancouver

- Senior Quality Assurance Specialist** STEMCELL Technologies
- Research Technologist, Business Operations Products** STEMCELL Technologies
- Talent Sourcing Associate** STEMCELL Technologies
- Manager, Marketing Leads** STEMCELL Technologies
- Scientist** STEMCELL Technologies

[View 121 Other STEMCELL Jobs](#)

Other Science Jobs in Vancouver

- Communications Manager, Digital Media** Genome BC
- Research Associate, the Personalized OncoGenomics Program** Canada's Michael Smith Genome Sciences Centre
- Research Assistant 3** UBC
- Assay Scientist** AbCellera
- Associate Director, Clinical Pharmacology / Pharmacometrics** Zymeworks

[View 48 Other Science Jobs](#) | [Submit a Job](#)



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

BROUGHT TO YOU BY

