

Publications of the Week

Silencing of Human *HTT* by Targeted CRISPR/dCas9-Mediated Epigenetic Editing

First Author: Yi Lin Tay | Senior Author: Mahmoud Pouladi (*pictured*)
Sage Journals | BC Children's Hospital Research Institute and UBC



Gene silencing may be achieved through directed epigenetic editing using a CRISPR/dCas9 effector fused to DNA methyltransferase 3A. Here, researchers used this system to direct DNA methylation to *HTT*, the causal gene underlying the autosomal dominant neurodegenerative disorder Huntington's disease, to assess the translational potential of this strategy for treating a genetic neurological disease. [Abstract](#)

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Awards

Congratulations to the 2024-2025 Travel Award Recipients

The Centre for Blood Research (CBR)



With the support of Travel Awards provided by CBR, numerous graduate students, postdoctoral fellows, and research associates have had the opportunity to attend scientific conferences and further their professional development. This year, CBR has announced six awardees: Lynn Huang, Iryna Liubchak, Dr. Mohosin Rana, Lauren Puumala, Taehyun Kim, and Grace Kuo (*pictured*). [Read More](#)

Harnessing AI to Improve Ovarian Cancer Outcomes

UBC Faculty of Medicine



UBC researchers are part of an international team awarded \$2 million to study how AI can improve prediction of ovarian cancer survival, guide treatment selection, and ultimately lead to better patient outcomes. The group includes investigators and patient advocates from Canada, Australia, the United Kingdom, and the United States. Dr. Ali Bashashati (*pictured, left*) is the lead Canadian researcher on the project. [Read More](#)

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Local News

A New Chapter in Women's Health

UBC Faculty of Medicine



Despite its profound impacts, menopause remains one of the least understood stages of life. UBC's Dr. Lori Brotto (*pictured*) is helping to shed light on a subject long overlooked, with a view to improve support for women in midlife. "Women's health research in general lags decades behind men's health research," says Dr. Brotto. [Read More](#)

Dr. Nada Lallous Selected as Delegate for Science Meets Parliament BC 2026

Vancouver Prostate Centre



Dr. Nada Lallous (*pictured*), an Assistant Professor at UBC, has been selected as a delegate for Science Meets Parliament BC 2026. Science Meets Parliament BC is a prestigious national initiative that brings together researchers and policymakers to foster dialogue, strengthen evidence-informed decision-making, and highlight the critical role of scientific research in shaping public policy. [Read More](#)

Behind the Lab Doors: Accelerating Discoveries in Precision Medicine at the Advanced Genomics & Computational Science Core

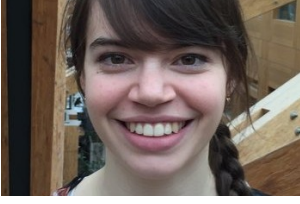
Vancouver Coastal Health Research Institute (VCHRI)



Located within the M. H. Mohseni Institute of Urologic Sciences, the Advanced Genomics & Computational Science Core is on a mission to support VCHRI researchers in developing new and innovative treatments. The unit offers specialized services, including advanced bulk and single-cell sequencing, proteomics, and, soon, spatial transcriptomic analysis technologies. [Read More](#)

Research in Carrot and Cherry Crops to Strengthen Local Food Security

Genome BC



As climate change continues to disrupt Canada's agricultural stability, Genome BC is funding two research collaborations to protect the future of our food. By applying genomic data to the early stages of carrot and cherry breeding, researchers will help BC growers to adapt and stay competitive in a rapidly changing environmental and economic climate. Dr. Letitia Da Ros (*pictured*) is among the researchers working on these collaborations. [Read More](#)

UBC Medicine Entrepreneurs Join HATCH Builder to Advance Innovative Health Solutions

UBC Faculty of Medicine



Five spin-off companies founded by UBC Faculty of Medicine researchers have joined the latest HATCH Venture Builder cohort to help bring innovative health solutions from the lab into the clinic. UBC's HATCH program helps to propel early-stage venture growth, working with entrepreneurs to further develop their companies through mentorship, training, access to funding opportunities, and over 10,000 square feet of office and makerspace. [Read More](#)

Early Detection of Lung Attacks in COPD

Vancouver Coastal Health Research Institute (VCHRI)



A new risk prediction tool could help reduce the burden of chronic obstructive pulmonary disease (COPD) on patients and health care systems. The PRECISE-X model tested by lead researcher and VCHRI scientist Dr. Mohsen Sadatsafavi (*pictured*) identified a series of patient characteristics linked to severe exacerbations of COPD following diagnosis. [Read More](#)

Enhancing Accessibility in the Lab

UBC Microbiology and Immunology



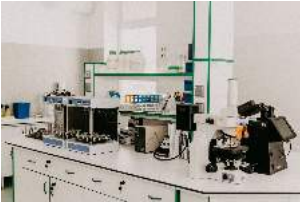
To better address the needs of all students, representatives spanning UBC departments have teamed up in an effort to enhance accessibility in undergraduate labs. "When we're talking about access, we're talking about the ability to participate. We want to ensure that everyone who wants to participate in a particular lab, be that a computer lab or a wet lab or a field lab, is able to," said Dr. Kirsty McIntyre (*pictured*). [Read More](#)

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Interesting Articles

Second Call for Applications for Expanded DMOS Program Includes Clinical Research

Conscience



Conscience is a Canadian non-profit dedicated to enabling drug discovery through collaboration for the advancement of accessible treatments. They have announced that applications are now open for the second round of their Developing Medicines through Open Science (DMOS) program and that the program has expanded to support clinical-stage projects alongside preclinical research. [Read More](#)

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Upcoming Events in Vancouver

March 6
9:00 AM

The Virtual Brain Node: Personalized Simulations for Cognitive Neuroscience

JW Marriott Parq Hotel

March 25
6:30 PM

Science in the Keg

Brewing August

March 26
4:00 PM

BioConnect BC (D.R.I.N.K.S. Vancouver)

BAESIDE @ Mahonys False Creek

April 26
8:00 AM

2026 PHC Health Ethics Conference

SFU Morris J. Wosk Centre for Dialogue

May 11
8:30 AM

2026 BCRegMed 9th Annual Symposium

AMS Student Nest

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Science Jobs in Vancouver

Research Assistant/Tech 3, Turvey Lab

UBC

Project Lead

Canadian Blood Services

Laboratory Analyst

ALS

Medical Laboratory Technologist

Lower Mainland Laboratories

Clinical Scientist II, Genetics

BC Cancer

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STEMCELL Technologies

Customer Support Associate

STEMCELL Technologies

Manufacturing Technologist, Clean Room

STEMCELL Technologies

Senior Customer Success Consultant

STEMCELL Technologies

Scientific Communications Specialist, Podcasts

STEMCELL Technologies

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MAR. 25

7 PM

SCIENCE IN THE KEG

A Pub'lic scientific event

Brewing August

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