

Publications of the Week

Deciphering the Transcription Factor Landscape in Prostate Cancer Progression: A Novel Approach to Understand NE Transdifferentiation

First Author: Yu Wang | Senior Author: Yuzhuo Wang (pictured)
Advanced Science | BC Cancer, Vancouver Prostate Centre, and UBC



Prostate cancer (PCa) is a leading cause of cancer-related mortality among men, with treatment-induced neuroendocrine prostate cancer (NEPC) posing a challenge. The role of transcription factors (TFs) in PCa progression and NEPC transdifferentiation remains inadequately understood. In this study, an internal Z score-based approach is developed to identify lineage-specific TF profiles for a nuanced understanding of TF expression dynamics. [Profile](#) | [Abstract](#)

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Awards

March 2025 Award Winners

Science in Vancouver



With numerous accolades, grants, awards, and prizes, our March Award Summary is overflowing with achievements. This month's spotlight features Dr. Kaylee Byers (pictured) whose extensive work in science communication earned her the 2024 SFU Emerging Thought Leader Newsmaker Award. Her compelling articles for *The Conversation* and her role as host of the *Nice Genes!* podcast highlights the power of science communication. [Read More](#)

UBC Professor Marina Von Keyserlingk Wins National Graduate Mentorship Award

UBC Graduate and Postdoctoral Studies



The Canadian Association for Graduate Studies is pleased to announce that Dr. Marina (Nina) von Keyserlingk (pictured), Professor of Animal Welfare and a former NSERC Industrial Research Chair in Animal Welfare, has been selected as the winner of the 2024 Dr. Suning Wang Award for Outstanding Graduate Mentorship. Dr. von Keyserlingk's customized model of supervision encourages students to take ownership of their research project from the outset. [Read More](#)

HLI Study on Diet and Heart Risks Among JACC: Advances' Most-Read of 2024

Centre for Heart Lung Innovation (HLI)



A study led by Dr. Iulia Iatan and Dr. Liam Brunham (pictured) at HLI has been recognized as one of JACC: *Advances'* Top 5 Most-Read Articles of 2024. Published in one of the most prominent cardiovascular journals, the study's ranking underscores its impact and the global interest in its findings. This study found that "keto-like" diets are linked to higher cholesterol levels and a twofold increase in major heart problems. [Read More](#)

SBME's Mona Behrouzian Wins UBC's Three Minute Thesis

UBC School of Biomedical Engineering (SBME)



SBME's graduate student Mona Behrouzian (pictured) is this year's winner of UBC's Three Minute Thesis (3MT) with her presentation: *Young Athletes, Big Decisions: Improving How Clinicians Assess Re-Injury Risk Using a Novel Data-Analysis Tool*. 3MT is a competition designed to share complex research in a way that is accessible to everyone. [Read More](#)

BC Researchers Awarded Over \$49 Million for Advancements in Hereditary Cancer Care, Child Drug Safety and Heart Health

Genome BC



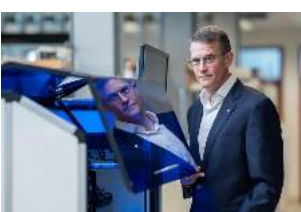
Genome BC has helped secure more than \$49 million for research to be conducted in British Columbia by five projects using genomics to advance personalized healthcare. Three of these projects are led by BC researchers and local scientists, including Drs. Kasmintan Schrader, Peter Lansdorp, and Steven Jones (pictured) from BC Cancer. [Read More](#)

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Local News

POG and Dr. Marco Marra's Killam Prize Featured in *The Globe and Mail*

BC Cancer Research Institute



Dr. Marco Marra (pictured) and the groundbreaking Personalized OncoGenomics (POG) program have been prominently featured in *The Globe and Mail* following Dr. Marra's recognition as a recipient of the 2025 Killam Research Prize in health sciences. This prestigious award highlights his contributions to Canadian research, particularly in the realm of genomics and precision cancer medicine. [Read More](#)

Refugee Scholars Making an Impact at UBC

UBC News



Behind every face on UBC's campuses, there is a story. For UBC's World University Service of Canada refugee award winners, those stories highlight their incredible resilience and ambition. Through perseverance and dedication, this small group of students has overcome immense challenges to build a new future for themselves through education at UBC Medicine. [Read More](#)

Canada Slowest in Reporting Bird Flu at 618 Days – but COVID Shows We Can Do Better

UBC Science



The global average for countries to report genetic information about bird flu, crucial to tracking and preventing a human pandemic, was seven months, and Canada came in last, a new study has found. The work, authored by Dr. Sara Otto (pictured), highlights the urgent need for Canada and other countries to speed up the pipeline from sampling an infected creature, analysis of the genetic information, and submission to a global scientific database. [Read More](#)

Searching for the 'Sweet Spot' of Tissue Repair

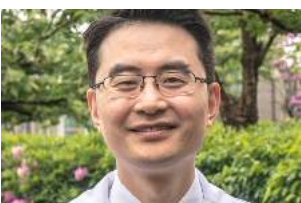
Research2Reality



Using biomedical engineering tools, it's now possible to dissect how single cells communicate with each other. That level of detail can illuminate pathways for better wound repair. "Our big idea is there is a newly discovered group of immune cells and those cells live in your tissues throughout your life and they help you repair," says Dr. Kelly McNagney (pictured). [Read More](#)

Research at St. Paul's Hospital Uncovers Cause of Lung Long COVID

The Daily Scan



New research from the Centre for Heart Lung Innovation (HLI) has identified inflammation in the lungs' smallest airways as the cause of pulmonary long COVID. A research team led by HLI Director Dr. Don Sin (pictured) used xenon MRI and single-cell sequencing of lung samples to uncover the underlying mechanism behind persistent respiratory symptoms in long COVID patients. [Read More](#)

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Interesting Articles

New Genomics CREATE Awards

Natural Sciences and Engineering Research Council of Canada (NSERC)



Four new Genomics Collaborative Research and Training Experience (CREATE) awards, each offering \$1.65 million in funding, will be awarded as a part of the NSERC 2026 CREATE competition. These CREATE initiatives will bring together groups of accomplished researchers to offer valuable training programs to highly qualified students and postdoctoral fellows from Canada and abroad. [Read More](#)

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Upcoming Events in Vancouver

April 7 12:00 PM	SBME Official Opening – Public Open House School of Biomedical Engineering
April 7 7:00 PM	Post-PhD Connect Central Library
April 8 9:00 AM	SBME Symposium 2025 School of Biomedical Engineering
April 9 12:00 PM	What's New with the UBC Clinical Research Ethics Board? Online
April 10 8:00 AM	Norman Bethune Symposium UBC Robson Square

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Science Jobs in Vancouver

Research Associate in Fungal Glycobiology UBC
Scientist, Immunology BC Cancer
Research Assistant, Cell Screening AbCellera
Laboratory Assistant, Evening Shifts ALS
Medical Science Liaison, Neurology Lundbeck

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The University of British Columbia
School of Biomedical Engineering
Natural Sciences and Engineering Research Council of Canada

TODAY!
You're Invited to the School of Biomedical Engineering Open House
Monday, April 7, 2025 from 12 noon to 3 pm
6088 University Blvd



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

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