

Publications of the Week

BUDDY: Molecular Formula Discovery via Bottom-Up MS/MS Interrogation

First Author: Shippei Xing | Senior Author: Tao Huan *(pictured)*
Nature Methods | UBC



A substantial fraction of metabolic features remains undetermined in mass spectrometry (MS)-based metabolomics, and molecular formula annotation is the starting point for unravelling their chemical identities. The authors present bottom-up tandem MS (MS/MS) interrogation, a method for *de novo* formula annotation. Their approach prioritizes MS/MS-explainable formula candidates, implements machine-learned ranking and offers false discovery rate estimation. [Abstract](#)

Engineering T Cell Development for the Next Generation of Stem Cell-Derived Immunotherapies

First Authors: Yale Michaels | Senior Author: Peter Zandstra *(pictured)*
eLife | Michael Smith Labs and UBC



Engineered T cells are at the leading edge of clinical cell therapy. T cell therapies have had a remarkable impact on patient care for a subset of hematological malignancies. This foundation has motivated the development of off-the-shelf engineered cell therapies for a broad range of devastating indications. Achieving this vision will require cost-effective manufacturing of precision cell products capable of addressing multiple process and clinical-design challenges. [Abstract](#)

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Awards

Faculty Members Honoured with Killam Teaching Awards

UBC Faculty of Medicine



A number of UBC Faculty of Medicine members have been honoured with Killam teaching awards for 2022/2023. The yearly awards are offered from the Killam Endowment Fund to faculty and teaching assistants who demonstrate excellence in teaching. Winners include Drs. Silke Cresswell *(pictured)*, Maria Hubinette, Alex Scott, and Patricia Birch. [Read More](#)

DMCBH Faculty and Trainees Receive Killam Teaching Awards for 2022-23

Djavad Mowafaghian Centre for Brain Health (DMCBH)



Congratulations to Sneha Singh *(pictured)* on being recognized with a Killam teaching award! Sneha is a PhD student in Dr. Ujendra Kumar's lab at the Faculty of Pharmaceutical Sciences. Prior to UBC, she completed a MSc in Pharmaceutical Sciences from Mumbai University in India. Her current research focuses on studying neurogenesis and anterograde translocation of synaptophysin to neurites in Alzheimer's disease models. [Read More](#)

Dr. Larry Goldenberg Awarded the Prestigious Queen's Platinum Jubilee Medal

Vancouver Prostate Centre



Congratulations to Dr. Larry Goldenberg *(pictured)* for being awarded the prestigious Queen's Platinum Jubilee Medal. This award commemorates the 70th anniversary of the Accession of Her Majesty Queen Elizabeth the Second to the Throne as Queen of Canada. Several Canadian provinces created their own Royal commemorative medal, uniform in design, scope and intent and aligned with previous national programs for such anniversaries. [Read More](#)

Federal Funding Supports Training for Next Generation of Scientists

UBC Medicine



Faculty of Medicine researchers are receiving more than \$3 million in federal funding for new training initiatives that will enable the next generation of Canadian scientists to address important health challenges. The biomedical imaging and artificial intelligence research cluster, led by Dr. Ali Bashashati *(pictured)*, will train researchers to measure, manipulate, and analyze biomedical data using advanced artificial intelligence techniques. [Read More](#)

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Local News

New Strategy Positions BC as a Global Hub for Life Sciences

BC Gov News



More innovative companies will have opportunities to grow and create high-paying jobs while advancing health and pandemic preparedness at home and internationally through a new made-in-BC Life Sciences and Biomanufacturing Strategy. As part of the StrongerBC Economic Plan, the strategy provides five pillars to secure BC's position as a leading global hub for life sciences and biomanufacturing, and to develop commercial-scale biopharmaceutical and medical manufacturing. [Read More](#)

Canada Needs a Network for Crisis Response

TheFutureEconomy.ca



Canada must work on developing a cohesive network that already knows how to work together efficiently in a crisis. This partnership, involving both public and private entities, will benefit further from continued investment in science and technology as well as in the development of life sciences talent in Canada. Dr. Véronique Lecault *(pictured)*, COO of AbCellera, discusses how the best thing Canada can do to prepare for a future pandemic is to invest in preparedness. [Read More](#)

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- April 27
9:00 AM

MBB Graduate Colloquium 2023
Nikkei National Museum and Cultural Centre
- April 27
8:00 PM

Science of Cocktails
Science World
- April 28
9:00 AM

2023 MBIM Undergraduate Research Symposium
Michael Smith Laboratories
- April 29
12:00 PM

Day of Immunology 2023
Science World
- May 3
12:00 PM

Genome BC's 2023 Annual Genomics Forum
Online

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Webinar by Dr. Kristina McBurney & Leanna Bedell



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