

Publications of the Week

An Impedance-Based Chemiresistor for the Real-Time, Simultaneous Detection of Gut Microbiota-Generated Short-Chain Fatty Acids

First Author: Adel Yavarinasab | Senior Author: Carolina Tropini *(pictured)*
Sensors and Actuators B: Chemical | UBC



Short-chain fatty acids (SCFAs) are key molecules, produced by gut bacteria in the intestine, that are absorbed into the bloodstream and strongly influence human health. In this work, an electrochemical sensor was developed to enable real-time (requiring less than 2 min per measurement), quantitative measurement of SCFAs from complex samples in liquid phase without the need for extraction, evaporation, or destruction. [Abstract](#)

Influence of ADT on B7-H3 Expression During CRPC Progression from Hormone-Naïve Prostate Cancer

First Author: Ning Kang | Senior Author: Yuzhuo Wang *(pictured)*
Cancer Gene Therapy | Vancouver Prostate Centre, BC Cancer, and UBC



Androgen deprivation therapy (ADT) is the standard care for advanced prostate cancer (PCa) patients. In this study, the authors performed a longitudinal study using their unique PCa patient-derived xenograft models and assessed B7-H3 expression during post-ADT disease progression. They further validated their findings at the clinical level in PCa patient samples. [Abstract](#)

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Awards

Winners of 2023 DMCBH Kickstart Grants Announced

Djavad Mowafaghian Centre for Brain Health (DMCBH)



Congratulations to the DMCBH researchers and their teams who have received this year's Kickstart Grants! They support new projects that generate preliminary data for future grant applications to external funding agencies. Drs. Shernaz Bamji and Jacqueline Quandt's *(pictured)* project aims to validate the palmitoylating enzyme ZDHHC9 as a therapeutic target for multiple sclerosis. [Read More](#)

UBC Faculty of Medicine Members Appointed to the Order of Canada for 2023

UBC Faculty of Medicine



UBC Faculty of Medicine's Drs. John Fleetham *(pictured)* and Keith Walley have been appointed to the Order of Canada for 2023. The appointments were announced by Her Excellency the Right Honourable Mary Simon, Governor General of Canada. Considered one of the country's highest civilian honours, the Order of Canada recognizes those who have enriched the lives of others and made extraordinary contributions to the nation. [Read More](#)

Dr. Pieter Cullis Named Fellow of UK's Prestigious Royal Society

UBC Faculty of Medicine



Dr. Pieter Cullis *(pictured)*, a Professor in the UBC Faculty of Medicine's Department of Biochemistry and Molecular Biology, has been elected as a Fellow of the Royal Society, the UK's national academy of sciences and the oldest science academy in continuous existence. The appointment recognizes Dr. Cullis' groundbreaking work developing the lipid nanoparticle delivery technology that enables advanced nanomedicines. [Read More](#)

2023 Faculty of Medicine Distinguished Achievement Award Recipients

UBC Faculty of Medicine



Each year, the Faculty of Medicine recognizes faculty members who exemplify exceptional contributions in the areas of education, research and/or service, and who are dedicated to advancing both the Faculty's values and vision of transforming health for everyone. Drs. Honglin Luo *(pictured)* and Bruce Vallance were recognized for their outstanding basic science research. [Read More](#)

BioTalent Canada Wards 2023 Catalyst Award for Top New Hire

BioTalent Canada



BioTalent Canada announced that Jade Bouchard *(pictured)*, a Pricing Operations Co-op at STEMCELL Technologies, has won the 2023 Catalyst Award for Top New Hire. The Catalyst Award for Top New Hire demonstrates the transformative contributions wage subsidies can have on organizations in the bio-economy, particularly among small and medium-sized businesses that may not have the resources to hire qualified workers on their own. [Read More](#)

CIHR Fellowships and Scholarships for FHS Emerging Scholars and Graduate Students

SFU Faculty of Health Sciences (FHS)



Several members of the Faculty of Health Sciences (FHS) received awards from the Canada Institutes for Health Research (CIHR) this spring. These awards are given to support outstanding postdoctoral fellows or students pursuing a doctoral or master's degree in a health-related field. Recipients include Postdoctoral Fellow Dr. Muhammad Zohaib Anwar *(pictured)* is applying cutting-edge genomics and bioinformatics technologies to study infectious diseases. [Read More](#)

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Local News

Researcher Uses Against the Grain Strategy to Improve Cancer Treatment

SFU News



SFU Molecular Biology and Biochemistry researcher Dr. Mani Larijani *(pictured)* is exploring an unconventional approach to address this issue and improve treatment outcomes for cancer patients. "Drug resistance is a major problem in cancer treatment," says Dr. Larijani, whose work is supported with funding from the Lotte and John Hecht Memorial Foundation. [Read More](#)

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Upcoming Events in Vancouver

- July 19 8:00 AM** **SYSU-UBC Symposium on Infectious & Inflammatory Diseases**
Jack Poole Hall, Robert H. Lee Alumni Centre
- July 19 1:00 PM** **The Neural Basis of Compulsive Behavior: Implications for Neuropsychiatry**
Rudy North Lecture Theatre, Djavad Mowafaghian Centre for Brain Health & Online
- July 20 1:30 PM** **Good Brain Health, Cognition and Wellbeing**
Rudy North Lecture Theatre, Djavad Mowafaghian Centre for Brain Health & Online
- Jul 21 - Aug 18 1:00 PM** **Diversify Research**
BC Cancer Research Centre
- July 25 10:00 AM** **MSL EDI Committee Workshop Series: Workshop 2 – Building Queer and Trans Inclusive Spaces**
Michael Smith Laboratories

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STEMCELL Technologies
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STEMCELL Technologies
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- Program Associate, Primary and Cultured Cells**
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