

Publications of the Week

Multiple Micronutrient Deficiencies in Early Life Cause Multi-Kingdom Alterations in the Gut Microbiome and Intrinsic Antibiotic Resistance Genes in Mice

First Author: Paula Littlejohn (*pictured*) | Senior Author: Brett Finlay
Nature Microbiology | UBC and Microbiome Insights



The microbiome is a reservoir of antimicrobial resistance, but the implications of undernutrition on the resistome is unclear. Here, researchers used a postnatal mouse model that is deficient in multiple micronutrients and shotgun metagenomic sequencing of fecal samples to characterize gut microbiome structure and functional potential, and the resistome. [Abstract](#) | [Press Release](#)

Targetable Lesions and Proteomes Predict Therapy Sensitivity Through Disease Evolution in Pediatric Acute Lymphoblastic Leukemia

First Author: Amanda Lorentzian (*pictured*) | Senior Author: Christopher Maxwell and Philipp Lange
Nature Communications | UBC and BC Children's Hospital Research Institute



Childhood acute lymphoblastic leukemia (ALL) genomes show that relapses often arise from subclonal outgrowths. However, the impact of clonal evolution on the actionable proteome and response to targeted therapy is not known. Here, researchers present a comprehensive retrospective analysis of paired ALL diagnosis and relapsed specimen. [Abstract](#) | [Press Release](#)

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Awards

Dr. Florian Kuchenbauer Recognized with UBC Outstanding Academic Performance for 2022

Terry Fox Laboratory



BC Cancer has announced that Dr. Florian Kuchenbauer (*pictured*), Distinguished Scientist of Terry Fox Laboratory and Associate Professor at the University of British Columbia, has been honoured with the Outstanding Academic Performance Award from the UBC Faculty of Medicine for 2022. This accolade recognizes faculty members for their exceptional academic achievements. [Read More](#)

Department of Medical Genetics Teaching Award

The Centre for Blood Research



The Centre for Blood Research congratulates Dr. Wilfred Jefferies (*pictured*) for being this year's UBC Department of Medical Genetics Teaching Award recipient! This award is presented at the annual Medical Genetics Research Day. The Faculty Teaching Award alternates between a clinical and basic science faculty researcher who has excelled in their teaching duties in the Department of Medical Genetics. [Read More](#)

Dr. Michael Skinnider Receives Bayer Foundation Early Excellence in Science Award

UBC Michael Smith Laboratories



The Michael Smith Laboratories extends their congratulations to Dr. Michael Skinnider (*pictured*) for receiving the Bayer Foundation Early Excellence in Science Award in Data Science. This competition aims to identify the rising stars of science across the globe in four disciplines: biology, chemistry, medical science, and data science in the life sciences. [Read More](#)

Two Canada Excellence Research Chairs to Join UBC Science

UBC Science



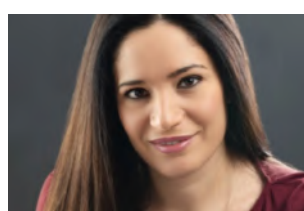
Two newly appointed, world-leading researchers with UBC Science have been named Canada Excellence Research Chairs (CERC). Dr. Kayla King (*pictured, left*) has been appointed the CERC in Evolutionary Dynamics of Host-Pathogen Interactions, while Dr. Corey Stephenson (*right*), who will join UBC in 2024, will hold the CERC in Innovative Synthetic Methods for Translational Chemistry. [Read More](#)

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Local News

Multi-Site Collaboration for Precision Prostate Cancer Care

Vancouver Coastal Health Research Institute (VCHRI)



Researchers at the Vancouver Prostate Centre are leading a multi-site clinical trial to explore new precision treatments for patients with prostate cancer. The genomic-biomarker-selected umbrella neoadjuvant study trial led by VCHRI researchers Drs. Lucia Nappi (*pictured*) and Martin Gleave will use genomic markers from study participant samples to make treatment recommendations for patients. [Read More](#)

Research Trainee 2024 Competition Open for Applications

Michael Smith Health Research BC



Michael Smith Health Research BC's Research Trainee 2024 competition is now open to applications. The Research Trainee program supports health researchers in the training phase of their research career to build capacity and contribute to the success of BC's health research landscape. The award provides postdoctoral fellows or health professional researchers with salary support for dedicated research activities. [Read More](#)

The adMare Institute Examines the Critical Role of Anchor Companies in Building Globally Competitive Life Sciences Innovation Ecosystems

adMare Bioinnovations



The adMare Institute released the findings of its first white paper, considering the critical factors required to build a thriving life sciences industry and the essential role played by anchor companies. The Vancouver-based adMare Institute focuses on addressing the current and emerging health and life science policy challenges faced by Canadians and their governments. [Read More](#)

Trainee Profile: Afsoon Mombeini

Djavad Mowafaghian Centre for Brain Health



Afsoon Mombeini (*pictured*) is a PhD student in Biomedical Engineering under the supervision of Dr. Manu Madhav. In the Neural Circuits for Computation, Cognition, and Control lab, Afsoon uses cutting-edge engineering tools and techniques to study neural circuits. In this profile, Afsoon was interviewed to learn more about her research and interests. [Read More](#)

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Interesting Articles

Canadian Research Funders Join Forces with the International Research on Research Institute

Michael Smith Health Research BC



The Social Sciences and Humanities Research Council of Canada, the Canadian Institutes of Health Research, and Michael Smith Health Research BC are pleased to become core partners in the Research on Research Institute (RoRI) to help ensure that Canada is at the forefront of research funding practices. As core partners, these groups will engage in key projects and provide input on RoRI's strategic direction. [Read More](#)

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Upcoming Events in Vancouver

- November 28 12:00 PM **Propels: Career Paths in Biotech**
MacLeod Building
- November 28 8:00 AM **Clinical Trials BC Symposium 2023: Approaches for Accessible Clinical Trials**
Robert H. Lee UBC Alumni Centre and Online
- November 29 4:00 PM **2023 Venture Showcase**
UBC Robson Square
- December 6 7:00 PM **Art of the Slam**
Fox Cabaret
- December 7 5:00 PM **GrasPods Monthly Pub Night**
Rogue Kitchen and Wetbar

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STEMCELL Jobs in Vancouver

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- Senior Research Associate, PSC**
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Other Science Jobs in Vancouver

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Photonic
- Biodiversity Informatics and Data Science Postdoctoral Fellowship**
UBC
- Associate Scientist, Process Analytics**
AbCellera
- Senior/Principal Scientist, Preclinical Pharmacology**
Abdera Therapeutics Inc.
- Bioinformatics Instructor Position**
Langara College

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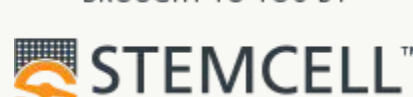
Webinar: Leukopak Processing
Tips & Tricks for Streamlined Cell Isolation



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