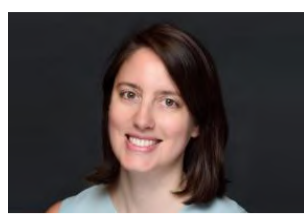


Publications of the Week

Truncated TDP-43 Proteoforms Diagnostic of Frontotemporal Dementia with TDP-43 Pathology

First Author: Lauren Forgrave | Senior Author: Mari DeMarco (pictured) | Alzheimer's & Dementia | Michael Smith Laboratories, Vancouver General Hospital, St. Paul's Hospital, and UBC



Biomarkers of TDP-43 pathology are needed to distinguish frontotemporal lobar degeneration with TDP-43 pathology (FTLD-TDP) from phenotypically related disorders. High-resolution mass spectrometry was used to characterize TDP-43 proteoforms in brain tissue from FTLD-TDP, non-TDP-43 dementias, and neuropathologically unaffected cases. [Abstract](#)

Human Milk Oligosaccharides: Potential Therapeutic Aids for Allergic Diseases

First Author: Isabel Tarrant | Senior Author: Brett Finlay (pictured) | Trends in Immunology | Michael Smith Laboratories and UBC



Recent findings from infant cohort, animal, and *in vitro* studies suggest that human milk oligosaccharides (HMOs) found in breastmilk exhibit allergy-protective effects. Maternal HMO composition varies widely; thus, the allergy-protective efficacy of HMOs depends on complex interactions between multiple factors, including maternal secretor status, infant risk status, geographical location, and allergy phenotype. [Abstract](#)

[View All Publications](#)

Awards

VCHRI Researchers Awarded CIHR Project Grants to Advance Health Research

Vancouver Coastal Health Research Institute (VCHRI)



The Canadian Institutes of Health Research (CIHR) has announced the results of its Spring 2023 project grant competition. The competition has approved 381 research grants and 12 bridge grants, for a total investment of \$325 million. Recipients include Dr. Torsten Nielsen (pictured), whose project aims to translate epigenomics into clinical care for synovial sarcoma. [Read More](#)

Dr. Peter Zandstra to Be Awarded First Ever Scientific Entrepreneurship Award from Life Sciences British Columbia

UBC School of Biomedical Sciences



Congratulations to Dr. Peter Zandstra (pictured) for receiving the first ever Scientific Entrepreneurship Award from Life Sciences BC. The award honours a remarkable scientific entrepreneur from one of BC's research or scientific institutions that has advanced health innovations and significantly enriched the dynamic ecosystem. [Read More](#)

Kwangjin Park (Hoodless Lab) Awarded Canadian Institutes of Health Research Postdoctoral Fellowship Award

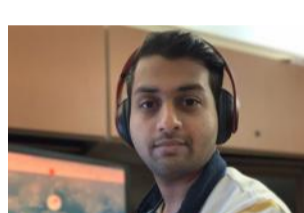
Terry Fox Laboratory



Dr. Kwangjin Park (pictured) has been awarded the Canadian Institutes of Health Research 2022 Postdoctoral Fellowship Award for the project titled, "Roles of the Lysine Methyl Transferase 2D in hepatocyte cell identity and hepatocellular carcinoma progression." He plans to use liver-like organoids derived from human pluripotent stem cells, closely mimicking human livers for this investigation. [Read More](#)

2023 Trainee Endowment Award Winners Announced

Djavad Mowafaghian Centre for Brain Health



Congratulations to the winners of the 2023 Djavad Mowafaghian Centre for Brain Health Trainee Endowment Awards! These awards recognize excellence in academics and research activities of our trainees. Abhijit Mahesh Chinchani (pictured) is developing a closed-loop transcranial alternating current stimulation system that can monitor the frequency and phase of brain oscillations in real-time for improved treatment of psychiatric disorders. [Read More](#)

UBC Faculty of Medicine Honours Three Exceptional Canadian Researchers in Cancer, Heart, and Brain Disorders

UBC Faculty of Medicine



Four Canadian scientists have been recognized by UBC's Faculty of Medicine for their outstanding scientific accomplishments and for their potential to make further contributions in their fields. The tenth annual Dr. Chew Wei Memorial Prize in Cancer Research is awarded to Dr. David Huntsman (pictured) from UBC for his outstanding accomplishments and influence in advancing the global standards for subtype-specific approaches to gynecologic cancer research and care transforming the way several oncological diseases are diagnosed and managed. [Read More](#)

Dr. Terrance Snutch Receives Margolese National Brain Disorders Prize

Michael Smith Laboratories



Dr. Terrance Snutch (pictured) has been recognized for his outstanding accomplishments in the field of brain research, receiving the prestigious Margolese National Brain Disorders Prize. With a vast research career spanning over three decades, Dr. Snutch is internationally regarded as a pioneer in the field of molecular neurobiology. [Read More](#)

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Local News

Illuminating Viral Protein Offers Clues to More Effective COVID Treatments

SFU Research



By shining an "incredibly bright light" on a key viral protein, researchers are shedding new light on potential targets for antiviral drugs, including those aimed at treating COVID-19. Molecular biologist Dr. Mark Paetzel (pictured) leads a lab at SFU where he and his team study the 3D structure and mechanisms of viral and bacterial proteolytic enzymes. [Read More](#)

Faculty Spotlight: Dr. Khaled Abdelrahman

Djavad Mowafaghian Centre for Brain Health



Dr. Khaled Abdelrahman (pictured) grew up surrounded by science. Since his parents were both marine biologists, he developed a passion for science at a young age. "I used to go with my parents to the lab and see all kinds of research," he recalls. "It was a completely different kind of research than what I'm doing now, but seeing them perform experiments and witnessing their excitement when they obtained results was intriguing." [Read More](#)

Q&A: Professor Selena Sagan Joins the UBC Department of Microbiology and Immunology

UBC Department of Microbiology and Immunology



After a decade of teaching and research at McGill University in the Departments of Microbiology & Immunology and Biochemistry, Dr. Selena Sagan (pictured) has joined the UBC Department of Microbiology and Immunology as a Research Professor with a focus on RNA viruses. Their research programs are focused on fundamentally understanding how viruses work at a molecular level. [Read More](#)

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Interesting Articles

Landmark Report Published on the Status of Inclusion, Diversity, Equity and Accessibility in Canada's Life Sciences Sector

adMare Bioinnovations



Pfizer Canada, adMare Bioinnovations, Shift Health, and Life Sciences Ontario have published a landmark report — Status of Inclusion, Diversity, Equity and Accessibility in Canada's Life Sciences Sector. The report is informed by the findings from a national survey of life sciences organizations and focus groups with diverse individuals working in the sector. [Read More](#)

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Upcoming Events in Vancouver

July 25 10:00 AM	MSL EDI Committee Workshop Series: Workshop 2 – Building Queer and Trans Inclusive Spaces Michael Smith Laboratories
August 3 7:00 PM	After Dark: Celebrating Pride Science World
August 11 7:00 PM	Space Telescopes with Chris Gainor West Vancouver Memorial Library
September 14 5:00 PM	25th Annual Life Sciences BC Awards Presented by Farris Vancouver Convention Centre West
September 21 10:00 AM	Pars for Prostate Fundraiser Westwood Plateau

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STEMCELL Jobs in Vancouver

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bioLytical Laboratories

Bioinformatician, Translational Bioinformatics

AbCellera

Scientist, *In Vivo* Biology & PK

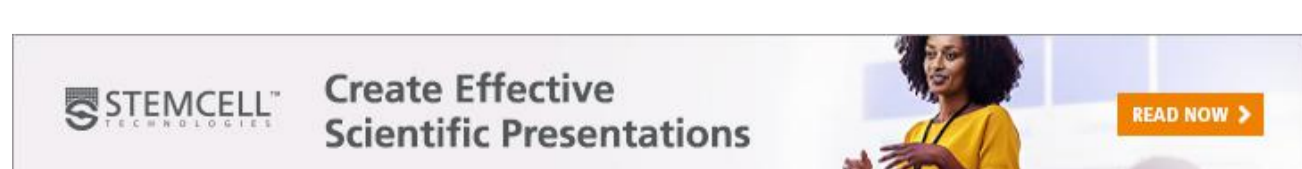
Zymeworks

Research Associate, Bioprinting Innovation

Aspect Biosystems

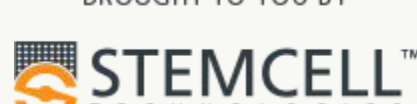
Postdoctoral Research Fellow

UBC

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