

Publications of the Week

Single-Cell Sequencing Unveils a Profibrotic Macrophage and Infiltrating Monocyte Niche in the Bronchoalveolar Lavage of Patients with Chronic Obstructive Pulmonary Disease

First Author: Firoozeh Gerayeli | Senior Author: Don Sin *(pictured)*
American Journal of Respiratory and Critical Care Medicine | St. Paul's Hospital, Centre for Heart Lung Innovation, and UBC



Chronic obstructive pulmonary disease (COPD) is characterized by global immune dysregulation. The primary aim of this study was to characterize the differences in composition of the immune cells in the alveolar space of patients with COPD versus healthy controls and the relation with severity of airflow limitation at a single-cell resolution. [Abstract](#)

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Awards

\$2 Million in New Funding From CIHR Supports Health Research at SFU Science

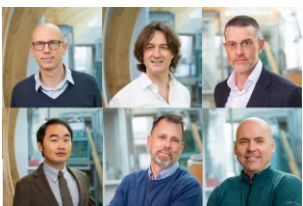
SFU Faculty of Science



SFU Faculty of Science researchers have received \$2 million in funding from the Canadian Institutes of Health Research (CIHR) through the Spring 2026 Project Grant competition. The Project Grant program funds research in all areas of health with the greatest potential to generate new fundamental or applied knowledge. Drs. Lisa Julian *(pictured, left)*, David Vocadlo *(right)*, and Tom Claydon are leading the funded projects. [Read More](#)

Six MSL Faculty Involved in Projects Funded Through Spring 2026 CIHR Grant Competition

UBC Michael Smith Laboratories (MSL)



Six MSL faculty members are involved in projects recently funded through the Canadian Institutes of Health Research (CIHR) Project Grant: Spring 2026 competition. This funding competition awarded approximately \$412 million across Canada in research grants. The awardees are: Drs. Thibault Mayor, Jörg Gsponer, Marco Marra, Xin Tang, Martin Hirst, and Leonard Foster *(pictured, left to right, top to bottom)*. [Read More](#)

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Local News

Drs. Janice Eng and Teresa Liu-Ambrose Reappointed Co-Directors, Centre for Hip Health and Mobility

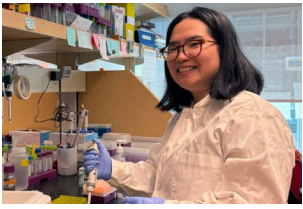
Vancouver Coastal Health Research Institute



Drs. Janice Eng *(pictured, left)* and Teresa Liu-Ambrose *(right)* have been reappointed as Co-Directors of the Centre for Hip Health and Mobility for a second five-year term. In their first term as Co-Directors, Drs. Eng and Liu-Ambrose have helped position the Centre as an internationally recognized hub for healthy aging and rehabilitation research. [Read More](#)

From Fiji to the Lab Bench: Unlocking a Hidden Enzyme

UBC Michael Smith Laboratories



A new study from the Brumer lab at the Michael Smith Laboratories has shed light on a fascinating and underexplored family of enzymes found in fungi. The findings could open doors to greener, more efficient practices in industrial chemistry. This study, published in the *Biochemical Journal*, is the culmination of Dr. Jessica Kalyun Fong's *(pictured)* PhD research. [Read More](#)

BCCHR Research Aims to Uncover Genetic Causes of Brain Aneurysms

BC Children's Hospital Research Institute (BCCHR)



A brain aneurysm is a balloon-like bulge formed at a weakened point of an artery within the brain. Researchers at BCCHR are working to advance the understanding of the genetic factors related to brain aneurysms. "Finding the genetic cause of brain aneurysms running in families will inevitably help us solve early onset vascular diseases in childhood," said Dr. William Gibson *(pictured)*, lead investigator. [Read More](#)

Unravelling the Link Between Epstein-Barr Virus and Multiple Sclerosis

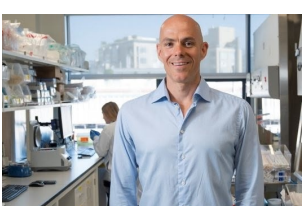
Djavad Mowafaghian Centre for Brain Health



For decades, scientists have known that infection with the Epstein-Barr virus is one of the strongest risk factors for developing multiple sclerosis. But an important question has remained: How does a virus carried by more than 90% of adults contribute to a disease that affects only a small fraction of people? A new review led by Dr. Jan Lünemann *(pictured)* explores recent breakthroughs that are helping answer this question. [Read More](#)

AbCellera Stock Soars 35% on Successful Clinical Trial Result

Business in Vancouver



Better-than-expected results in a clinical trial sent shares of Vancouver life sciences company AbCellera Biologics, led by CEO Carl Hansen *(pictured)*, soaring as much as 44%, before settling to close up 35% on August 10. Its experiment tested how effective its treatment is for women who experience moderate or severe hot flashes during menopause. [Read More](#)

New Research Explores How Data Can Help Detect Disease Earlier and Improve Patient Care

Genome BC



By creating a more complete picture of disease, researchers hope to uncover new evidence that could lead to earlier diagnosis, more personalized care and better health outcomes for British Columbians. Funded through Genome BC's Data Access, Integration, and Analysis 2 (DAIA2) program, six new projects will use the province's Health Data Platform BC to securely integrate genomic information, healthcare records, and other sources of health information. [Read More](#)

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Interesting Articles

Indigenous Perspectives on Mental Health: Resources and Insights from the MATRIX-N Learning Circle

Djavad Mowafaghian Centre for Brain Health



The Multidisciplinary Alliance for Translational Research and Innovation in Neuropsychiatry (MATRIX-N) brings together researchers and trainees at the DMCBH and beyond to connect foundational science, clinical practice and patient needs. To broaden the perspectives that inform this work, the cluster created the MATRIX-N Learning Circle focused on Indigenous issues and approaches in mental health and substance use research and care. [Read More](#)

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Upcoming Events in Vancouver

August 20 7:00 PM	Science, Stand-Up, & Song Fox Cabaret
September 2 6:00 PM	After Dark: Science of Sleight – Magic Edition Science World
September 9 5:00 PM	28th Annual Life Sciences BC Awards Vancouver Convention Centre West
September 17 5:00 PM	An Immense World: How Animal Senses Reveal the World Around Us The Old Auditorium
November 3 - 4 7:30 AM	LSBC's 11th Annual Invest in BC presented by Lumira Ventures Vancouver Convention Centre West

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ALS
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Kardium
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Xenon Pharmaceuticals

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- Senior Scientist, Process Development (Downstream)**
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