

Publications of the Week

Ketogenic Diet Changes Microglial Morphology and the Hippocampal Lipidomic Profile Differently in Stress Susceptible Versus Resistant Male Mice Upon Repeated Social Defeat

First Author: Fernando González Ibáñez | Senior Author: Marie-Eve Tremblay (pictured) | Brain, Behavior, and Immunity | UBC



The susceptibility to psychological stress is modulated by various factors, many of them being modifiable lifestyle choices. The ketogenic diet (KD) has emerged as a dietary regime that offers positive outcomes on mood and health status. This study, which investigated a KD's impact on microglia in mice, revealed novel mechanisms by which a KD might improve the resistance to psychological stress. [Abstract](#)

Folic Acid Supplementation in a Mouse Model of Diabetes in Pregnancy Alters Insulin Sensitivity in Female Mice and Beta Cell Mass in Offspring

First Author: El-Xia Mussai | Senior Author: Angela Devlin (pictured) | Federation of American Societies for Experimental Biology | UBC and BC Children's Hospital Research Institute



Epidemiological studies have reported discrepant findings on the relationship between folic acid intake during pregnancy and risk for gestational diabetes mellitus. To begin to understand how folic acid impacts metabolic health during pregnancy, researchers wanted to determine the effects of excess folic acid supplementation on maternal and fetal offspring metabolic health. [Abstract](#)

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Awards

Awards for Excellence 2022 Winners

Canadian Cancer Society



Dr. Samuel Aparicio (pictured) is the recipient of the Canadian Cancer Society Robert L. Nobel Prize. He is a physician scientist whose research has made a tremendous impact in the field of biomedical cancer research. Dr. Aparicio and his team discovered the origins and consequences of changes in the number of genetic copies for genes related to breast and ovarian cancers. [Read More](#)

UBC Orthopedics Researchers Secure \$2.3 Million Grant for Groundbreaking Spinal Cord Injury Study

UBC Department of Orthopedics



The UBC Department of Orthopedics proudly announced that two of their faculty members, Dr. Babak Shadgan (pictured, right) and Dr. Brian Kwon (left), have been awarded a \$2.3 million research grant from the US Congressionally Directed Medical Research Programs. This significant investment underlines their groundbreaking work and commitment to advancing medical science. [Read More](#)

Dr. Pieter Cullis Named 2024 Canadian Medical Hall of Fame Inductee

UBC Faculty of Medicine



Dr. Pieter Cullis (pictured), a Professor in the Department of Biochemistry and Molecular Biology at UBC, is among six health leaders selected as 2024 Canadian Medical Hall of Fame inductees. The distinction honours Canadians whose outstanding leadership and contributions to medicine and the health sciences have led to extraordinary improvements in human health. [Read More](#)

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Local News

SFU's ImageTech Lab Gains New Tech Ally in Advancing Brain Research

Simon Fraser University (SFU)



New technology acquired by SFU's ImageTech Lab is promising to help advance brain research and improve our knowledge of brain disease and injury. The newly installed TRIUX™ neo is providing researchers with access to the latest magnetoencephalography technology, furthering their ability to carry out adult and pediatric scans with advanced capabilities. [Read More](#)

NINC Microscopists in Residence

Djavad Mowafaghian Centre for Brain Health



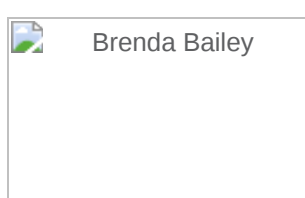
Three UBC Neuroscience graduate students, including Peter Hogg (pictured), have recently taken on the role of Neuroimaging and NeuroComputation Centre (NINC) Microscopists in Residence. Given recent advances in imaging technology, fluorescent probes, and data analysis methods, neuroscience research is relying on ever increasing amounts of imaging data. [Read More](#)

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Interesting Articles

New Clinical Trials Will Save Lives, Support B.C. Innovation

BC Gov News



A new clinical trials unit will allow life sciences companies and researchers to test their discoveries within the province. "The new clinical trials unit will give significant opportunities for B.C.'s life sciences companies to keep their teams and intellectual property here at home," said Brenda Bailey (pictured), Minister of Jobs, Economic Development and Innovation. [Read More](#)

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Upcoming Events in Vancouver

- October 18
12:00 PM

Advancing Health Work in Progress Seminar
Online
- October 18
12:00 PM

Scalable Approaches for Modeling Rare Disease in Organoid Systems
Online
- October 20
9:00 AM

2023 Canadian Screening Consortium Symposium
Halpern Centre
- October 26
5:00 PM

Book Launch: Live Like Nobody Is Watching with Author Dr. Anita Ho
School of Population and Public Health
- October 26
6:00 PM

Nerd Nite: Science & Séance
Museum of North Vancouver

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