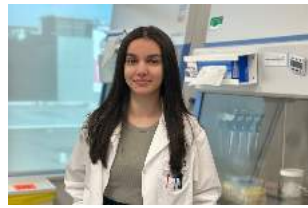


Publications of the Week

High-Throughput Bioprinting to Produce Micropatterned Neuroepithelial Tissues and Model TSC2-Deficient Brain Malformations

First Authors: Negin Imani Farahani (*pictured*) and Kenneth Kin Lam Wong | Senior Author: Lisa Julian
Cell Reports Methods | SFU



Micropatterning of cell populations as they transition from pluripotency through the process of neurulation can produce self-assembled neuroepithelial tissues (NETs) with precise spatiotemporal control. Here, researchers introduced an accessible, customizable, and scalable method to produce self-assembled NETs using bioprinting to rapidly deposit reproducibly sized extracellular matrix droplets.

[Abstract](#) | [Press Release](#)

Awards

2025 Mitacs Innovation Awards Celebrate Ideas, Research, and Canadian Innovation Talent

Mitacs



The 2025 Mitacs Innovation Awards bring together government, industry, and academic leaders to celebrate Canada's top research and innovation talent. Dr. Tae-Ho Kim (*pictured*), postdoctoral fellow in the Biomechatronic Systems Laboratory at SFU, has earned a Mitacs Innovation Award for Outstanding Innovation for his groundbreaking work to design a first-of-its-kind self-powered continuous blood pressure monitor. [Read More](#)

Dr. David Huntsman Awarded Doctors of BC Terry Fox Medal

BC Cancer Research



The Doctors of BC Terry Fox Medal is awarded to outstanding individuals who have a track record of making a difference in cancer care. Dr. David Huntsman (*pictured*), Distinguished Scientist at the BC Cancer Research Institute and Professor of Pathology and Laboratory Medicine at UBC, is the recipient of this year's prestigious award. [Read More](#)

DMCBH Researchers Receive Funding from UBC PhD Collab Pilot Program

Djavad Mowafaghian Centre for Brain Health (DMCBH)



DMCBH congratulates Drs. Naznin Virji-Babul (*pictured*) and Scott Ramsay, along with PhD student Samir Damji, who have been selected as one of five UBC teams to receive funding through UBC's Graduate and Postdoctoral Studies PhD Collab Pilot Program. The team will explore how AI can be thoughtfully integrated into team-based primary care. [Read More](#)

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Local News

NervGen Pharma Announces US\$10 Million Non-Brokered Private Placement to Support Anticipated Nasdaq Listing and Advance NVG-291 Development

Life Sciences BC



NervGen Pharma, a clinical-stage biopharmaceutical company developing first-in-class neuroreparative therapeutics for spinal cord injury (SCI) and other traumatic and neurologic disorders, announced that it is conducting a non-brokered private placement to certain institutional investors and other accredited investors. The financing will include participation from new and existing investors, including SCI Ventures and the Paul and Phyllis Fireman Charitable Foundation. [Read More](#)

AI at the Heart of New SFU Gel-Free ECG System for Faster Diagnoses

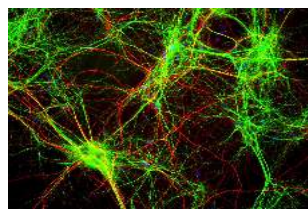
SFU News



A new heart monitoring system combining 3D printing and AI could transform the way doctors measure and diagnose patients' heart health. Developed by SFU's Dr. Yiting Chen (*pictured*), the system features reusable dry 3D-printed electrodes embedded in a soft chest belt and a folding origami-shaped design that uses gentle suction to stick to the skin. [Read More](#)

3D Bioprinting Neural Tissues Using a Fibrin Bioink Containing Drug Releasing Microspheres

Axolotl Biosciences



3D bioprinting, the process by which cells are combined with bioinks and printed into 3D structures, has become a popular method for engineering tissues. A new study from Axolotl Biosciences focuses on using a novel fibrin-based bioink to print hiPSC-derived neural aggregates, which has the ability to protect the cells within the bioink from shear stress, increasing cell viability. [Read More](#)

Innovative Research Infrastructure Developed at the UBC Balance Research Centre

UBC Balance and Falls Research Centre



Dr. Jeff Nickel at UBC has engineered a portable high-density surface electromyography (HDsEMG) system that can be worn by volunteers during activities outside of the laboratory. HDsEMG has many applications ranging from the isolation of individual motor units, the identification of global muscle activity from individual muscles, and the identification of propagation of action potentials along the muscle fibers. [Read More](#)

Research Leads to Low-Cost Tool for Wastewater Monitoring

Genome BC



Wastewater treatment plants are microbial jungles, with each site containing more than 10 million different microorganisms. UBC researchers Drs. Steve Hallam (*pictured, left*) and Ryan Ziels (*right*) completed a pilot of an eDNA-based monitoring study with a wastewater facility. Their successful study revealed which bacterial communities are causing bulking and foaming issues. [Read More](#)

UBC Medicine Researchers Launch New Spinoffs to Turn Discoveries Into Impact

UBC Faculty of Medicine



UBC Medicine scientists have founded six new spinoff companies that build on their research to turn discoveries into real-world impact. They are among nine spinoff companies launched this fall with support from UBC, bringing the university's combined total to 284. From next-generation therapeutics to AI-powered drug discovery platforms, UBC researchers are strengthening B.C.'s booming life sciences economy. [Read More](#)

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📅 Upcoming Events in Vancouver

- | | |
|------------------------|--|
| December 2
6:00 PM | Nice Genes! LIVE: A Genome BC Podcast
H.R. MacMillan Space Centre |
| December 2
7:00 PM | Nerd Nite v59: Killer Whales, Leaving Religion, Animals & Climate Change
Fox Cabaret |
| December 3
6:00 PM | After Dark: Chillusions—Winter Magic Edition
Science World |
| December 17
5:00 PM | Life Sciences BC's Holiday Party
Vancouver Marriott Pinnacle Downtown Hotel |
| December 18
5:00 PM | Beaty Nocturnal
Beaty Biodiversity Museum |

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📁 Science Jobs in Vancouver

- Principal Scientist/Senior Principal Scientist, CMC, Analytical Chemistry**
Xenon Pharmaceuticals
- Scientific Program Coordinator, Preparation for Pandemics Through Advanced Research in Evolution Research Cluster**
UBC
- Laboratory Assistant**
Provincial Laboratory Medicine Services
- Post Doctoral Fellow, In State-of-The-Art Imaging and AI**
BC Cancer
- Data Analyst Health Surveillance, Epidemiology**
BC Centre for Disease Control

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📁 STEMCELL Jobs in Vancouver

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STEMCELL Technologies
- Sales Development Representative**
STEMCELL Technologies
- Planner, GMP**
STEMCELL Technologies
- Scientific Inside Sales Representative**
STEMCELL Technologies
- Manufacturing Technologist, Clean Room (12 Month Fixed Term)**
STEMCELL Technologies

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