

Publications of the Week

Protocol for Induction and Quantification of Injury-Primed Axon Outgrowth in Adult Mouse DRG Neurons

First Author: Eliana Seburn (*pictured*) | Senior Author: Brett Hilton
STAR Protocols | UBC



Adult dorsal root ganglion (DRG) neurons provide a powerful model to study axon growth. Dissociated lumbar L3–L5 DRG neurons extend axons de novo in culture, enabling the measurement of baseline outgrowth. Here, researchers present a protocol for inducing and quantifying injury-primed axon outgrowth in adult mouse DRG neurons. [Abstract](#)

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Awards

Dr. Peter Crompton Receives UBC Applied Science Dean's Medal of Distinction

UBC School of Biomedical Engineering



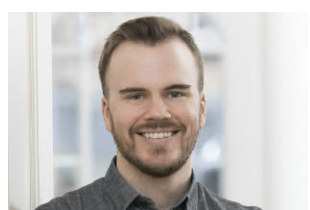
Dr. Peter Crompton (*pictured*) has been named a 2026 recipient of the UBC Applied Science Dean's Medal of Distinction, recognizing his contributions to the field of engineering and his impact on the broader UBC community. Dr. Crompton's research sits at the intersection of engineering, biomechanics, and human health. His work has helped advance understanding of how the human body responds to mechanical forces. [Read More](#)

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Local News

Beaker Banter: The Road to Spinal Cord Regeneration with Dr. Brett Hilton

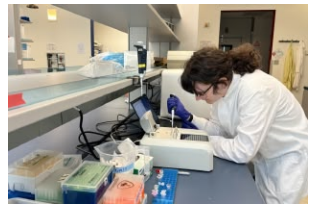
Djavad Mowafaghian Centre for Brain Health (DMCBH)



Beaker Banter is a science entertainment podcast featuring innovators who are changing the world for the better. The podcast is presented in partnership with Innovation UBC and hosted by Dr. Marissa Lithopoulos, a UBC postdoc. On this episode of Beaker Banter, host Dr. Marissa Lithopoulos sits down with Assistant Professor and DMCBH member Dr. Brett Hilton (*pictured*). [Read More](#)

Microbiology and Immunology Labs Host Indigenous Students Through Summer Research Program

UBC Microbiology and Immunology



The seed2STEM Summer Research Program for Indigenous Youth invites Indigenous students in grades 9 through 12 to participate in a six-week paid internship at labs at UBC's Vancouver and Kelowna campuses as well as other nearby academic, clinical, and public health research institutions. By offering paid positions and additional supports, the seed2STEM team aims to reduce financial and logistical barriers to participation. [Read More](#)

Study Finds Early Molecular Differences in Newborns With Sickle Cell Trait

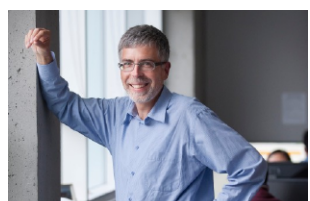
Providence Research



For decades, sickle cell trait (SCT) has been considered benign in infancy. Researchers at Providence Research, led by Dr. Abhinav Checkervarty (*pictured*), conducted a multi-omics study and found that newborns with SCT showed distinct biological differences within their first week of life. Most notably, levels of several proteins in the blood declined by the third day after birth. [Read More](#)

How SFU Researchers Found a Way to Use AI to Discover New Drugs

Vancouver Sun



Researchers at SFU are working on advancing new AI tools that could transform the way new drugs to treat diseases like cancer are discovered. Dr. Martin Ester (*pictured*), who published a breakthrough study last summer on a way to speed up designing complex molecular structures to target disease, says now they will be partnering with a startup to test the method on autoimmune disease. [Read More](#)

Moving Endometrial Cancer Prevention Upstream

Vancouver Coastal Health Research Institute



Drs. Aline Talhouk (*pictured*) and Andrea Neilson at the Vancouver Coastal Health Research Institute are exploring whether it is possible to identify people at increased risk of endometrial cancer long before cancer symptoms are present. Their study focused on postmenopausal individuals with obesity, a population at particularly high risk for developing endometrial cancer. [Read More](#)

BCCHR Researchers Uncover Why Huntington Disease Progresses Faster in Some Patients

BC Children's Hospital Research Institute (BCCHR)



Huntington disease is a rare, inherited neurological disorder that causes the progressive breakdown of nerve cells in the brain. Researchers at BCCHR led by Dr. Michael Hayden (*pictured*) have been investigating why some patients develop symptoms 10 to 12 years earlier and experience a more aggressive form of this disease. They found the reason is associated with a genetic variant. [Read More](#)

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Interesting Articles

Carraresi Foundation Early Career Clinician Investigator Award

Providence Research



The Carraresi Foundation Early Career Clinician Investigator Award supports early career clinician investigators affiliated with Providence Health Care by providing funds that will help them explore research questions identified in the early stages of their medical career. Providence Research will fund two research projects of up to \$35,000 each. The application deadline is January 15, 2027. [Read More](#)

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Upcoming Events in Vancouver

October 22 4:30 PM	Women Founders Meetup at UBC Robson Square UBC Robson Square
October 30 6:00 PM	After Dark: Sinister Science – Halloween Edition Science World
November 2 4:00 PM	2026 Don Rix Distinguished Keynote Address Vancouver Convention Centre West
November 3 - 4 7:30 AM	LSBC's 11th Annual Invest in BC presented by Lumira Ventures Vancouver Convention Centre West
November 5 8:30 AM	UBC Life Sciences Day: From Breakthrough Research to Global Impact UBC Life Sciences Institute

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