

Publications of the Week

Decoding Amyloid Beta Clearance Systems at Inner Blood–Retina Barrier Using Three-Dimensional *Ex Vivo* Retinal Imaging in Alzheimer's Disease

First Author: Printha Wijesinghe (*pictured*) | Senior Author: Joanne Matsubara
Alzheimer's & Dementia | Djavad Mowafaghian Centre for Brain Health and UBC



Impaired amyloid beta (Aβ) clearance contributes to sporadic Alzheimer's disease (AD). This study investigated retinal Aβ clearance involving neuronal, glial, and vascular interactions at the inner blood–retina barrier (iBRB), a functional analog of the blood–brain barrier (BBB). *Ex vivo* three-dimensional retinal imaging at the iBRB provides novel insights into Aβ clearance in AD, which is difficult to replicate in *ex vivo* brain studies at the BBB. [Abstract](#)

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Awards

Improving Outcomes for Six Childhood Sarcomas

UBC Faculty of Medicine



With renewed support from a \$5.5-million Terry Fox New Frontiers Program Project Grant, researchers from the UBC Faculty of Medicine and BC Cancer are determined to change how we treat sarcomas, which are rare and aggressive bone and soft tissue cancers that disproportionately affect young people. The project is co-led by Drs. David Huntsman (*pictured*) and Torsten Nielsen. [Read More](#)

Personalizing Treatment of Bladder Cancer

UBC Faculty of Medicine



With support from a new \$3-million Terry Fox Frontiers Program Project Grant, Dr. Peter Black (*pictured*) and his team are developing new tools to predict and measure how well a patient with bladder cancer is responding to treatment. Using blood and urine tests that detect tumour DNA, these tools will help care teams make more confident, individualized decisions. [Read More](#)

DMCBH Researchers Receive Huntington Society of Canada's 2025 Navigator Research Awards

Djavad Mowafaghian Centre for Brain Health (DMCBH)



Drs. Blair Leavitt (*pictured, left*) and Lynn Raymond (*right*) from the Djavad Mowafaghian Centre for Brain Health have been named as the recipients of the Huntington Society of Canada's 2025 Navigator Awards. The Navigator Research Program is designed to provide funding for Canadian scientific research projects of direct and immediate relevance to Huntington disease. [Read More](#)

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Local News

Frail Patients with Interstitial Lung Disease Are Less Likely to Be Prescribed and Tolerate Antifibrotics, According to New Study

Providence Research



A new study, led by St. Paul's Hospital respirologist Dr. Alyson Wong (*pictured*), has found that frailty impacts how antifibrotic medications are prescribed for and tolerated in patients with idiopathic pulmonary fibrosis, a form of interstitial lung disease. This study, which was recently published in the *European Respiratory Journal*, could help to guide future prescribing practices. [Read More](#)

Precision Care for Treatment-Resistant Prostate Cancer

Vancouver Coastal Health Research Institute



A study published in *Nature Medicine* has uncovered biomarkers that could help select the most effective precision treatments for patients with late-stage prostate cancer. Led by Vancouver Coastal Health Research Institute researcher Dr. Alexander Wyatt (*pictured*), a key advantage of the approach is that it can be performed using a simple blood test. [Read More](#)

New Therapeutic Approach to Facilitate Healing of Bed Sores

Genome BC



Every day in hospitals and long-term care homes, people with limited mobility develop painful pressure injuries, commonly known as bed sores. These wounds heal slowly and often reoccur in the same spot. Researchers from Dr. David Granville's lab (*pictured*) are now creating a topical, plant-based gel that could help these chronic wounds heal faster with improved strength to prevent recurrence. [Read More](#)

When It Comes to mRNA, Seeing Is Believing

UBC Science



To study molecules in cell-like conditions, Dr. Sabrina Leslie (*pictured*) invented a high-resolution imaging platform called Convex Lens-induced Confinement (CLiC). CLiC lets drug designers actually see the intricate workings of a cell and how they respond to nanomedicines' drug cargoes. In September 2025, she and her team took on a CEO to lead a company called ScopeSys to commercialize CLiC. [Read More](#)

In Memory of Professor Glen Tibbits

SFU Biomedical Physiology and Kinesiology (BPK)



It is with great sadness that SFU BPK announced the passing of Dr. Glen Tibbits (*pictured*) on Monday, November 10, 2025. Dr. Tibbits was a Distinguished Professor at SFU, Co-Director of the Cellular and Regenerative Medicine Centre at the BC Children's Hospital Research Institute, and an Adjunct Professor at UBC. Dr. Tibbits was a visionary who set high expectations and worked tirelessly to drive the field of molecular cardiology forward. [Read More](#)

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Interesting Articles

Science Exposed

Natural Sciences and Engineering Research Council of Canada (NSERC)



The wait is over! Discover the 2025 recipients of the People's Choice Award and the three Jury Prizes for the Science Exposed. Science Exposed is a contest organized by NSERC and devoted exclusively to images of scientific research, in all fields of study. This year, two Vancouver-based researchers made the finalist list: Cormac Toler-Scott and Brian Duarte. Congratulations to all prize winners and finalists! [Read More](#)

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Upcoming Events in Vancouver

- November 27
4:30 PM

McCarthy Spotlight Speaking Series
McCarthy Tetrault LLP
- 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 18
5:00 PM

Beaty Nocturnal
Beaty Biodiversity Museum

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Science Jobs in Vancouver

- Postdoctoral Position, BC Biodiversity Network

UBC
- Laboratory Assistant

ALS
- Medical Director, Clinical Development, Endocrinology and Autoimmune Diseases

AbCellera
- Multidisciplinary Research Chair

BC Cancer Foundation
- Research Grants Facilitator

School of Medicine, SFU

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STEMCELL Jobs in Vancouver

- Scientific Recruiter

STEMCELL Technologies
- Senior Manufacturing Technician, Finished Goods

STEMCELL Technologies
- Planner, GMP

STEMCELL Technologies
- Scientific Inside Sales Representative

STEMCELL Technologies
- Manufacturing Technologist, Clean Room (12 Month Fixed Term)

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