

Publications of the Week

Comprehensive Cell Surface Protein Profiling of Human Mesenchymal Stromal Cells from Peritoneal Dialysis Effluent and Comparison with Those from Human Bone Marrow and Adipose Tissue

First Author: Ganggang Shi | Senior Authors: Hualin Qi and Caigan Du (*pictured*)
Human Cell | UBC



Peritoneal mesenchymal stromal cells (pMSCs) are isolated from peritoneal dialysis (PD) effluent, and treatment with the pMSCs reduces peritoneal membrane injury in rat model of PD. This study was designed to verify the identity of the pMSCs. pMSCs were grown in plastic dishes for 4–7 passages, and their cell surface phenotype was examined by staining with a panel of 242 antibodies.

[Abstract](#)

Oligodendrocyte Pathology in Huntington’s Disease: From Mechanisms to Therapeutics

First Authors: Costanza Ferrari Bardile and Carola Radulescu | Senior Author: Mahmoud Pouladi (*pictured*)
Trends in Molecular Medicine | Djavad Mowafaghian Centre for Brain Health, BC Children’s Hospital Research Institute, Centre for Molecular Medicine and Therapeutics, and UBC



Myelin, the lipid-rich structure formed by oligodendrocytes in the central nervous system, is fundamental for normal motor, sensory, and cognitive functions. Myelin pathology in Huntington’s disease (HD) appears early in the course of the disease and is progressive in nature, pointing to its possible contribution to neurological manifestations of the disease. [Abstract](#)

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Awards

August 2023 Award Winners

Science in Vancouver



Dr. Franck Duong (*pictured*) at UBC received a Natural Sciences and Engineering Research Council of Canada Discovery Grant for a project on bacterial peptidase libraries to isolate outer membrane protein binders. See which other Vancouver researchers received grants, awards, fellowships, and scholarships in August.

[Read More](#)

Vriti Bhagat Awarded Vanier Scholarship for Diabetes Research

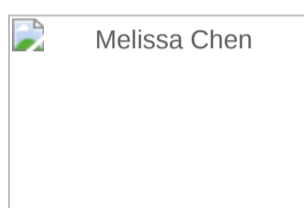
BC Children’s Hospital Research Institute



Vriti Bhagat (*pictured*), a PhD student in Dr. Bruce Verchere’s lab at BC Children’s Hospital Research Institute and the Department of Pathology and Laboratory Medicine at UBC, is working to better understand two of the hormones related to diabetes. She hopes to identify new targets for medication and to be better able to predict the likelihood of developing the disease. [Read More](#)

Melissa Chen from the Haney and King Labs Has Received a 2022-2023 Banting Postdoctoral Fellowship

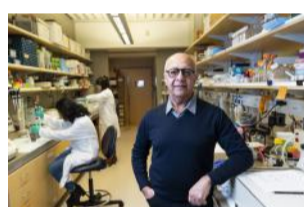
UBC Microbiology & Immunology



Congratulations to Dr. Melissa Chen (*pictured*) on being selected as one of the 23 recipients of the 2022-2023 Banting Postdoctoral Fellowships, awarded by the Natural Sciences and Engineering Research Council. Each year, these prestigious Banting Postdoctoral Fellowships are offered to scholars who have a record of research excellence and leadership. [Read More](#)

BC Cancer Researchers Creating Metabolic Maps to Uncover Clues about How Cancers Disable Our Immune System

BC Cancer Research



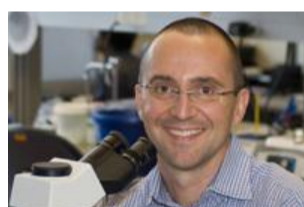
Canadian research teams, including several from BC Cancer, will receive a total of \$2.4 million to advance cancer research and treatment following new awards in the 2023 Terry Fox New Frontiers Program Project Grant competition. Led by Dr. Shoukat Dedhar (*pictured*), one project centres on understanding the harsh, low oxygen environment that surrounds pancreatic cancer cells. [Read More](#)

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Local News

Researchers Discover Common Origin behind Major Childhood Allergies

UBC News



Several major childhood allergies may all stem from the community of bacteria living in our gut, according to a new study led by Dr. Stuart Turvey’s (*pictured*) team at UBC and BC Children’s Hospital. The research, published in *Nature Communications*, identifies gut microbiome features and early life influences that are associated with children developing any of four common allergies — eczema, asthma, food allergy and/or hay fever. [Read More](#)

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Upcoming Events in Vancouver

- September 12 **Back to Science Slam**
7:30 PM Fox Cabaret
- September 13 **VoyageHer: Navigating STEM Careers with Seaspam**
12:00 PM Online
- September 14 **25th Annual Life Sciences BC Awards Presented by Farris**
5:00 PM Vancouver Convention Centre West
- September 21 **Pars for Prostate Fundraiser**
10:00 AM Westwood Plateau
- September 28 **Nerd Nite North Van: Plants & Pints**
6:00 PM Museum of North Vancouver

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STEMCELL Jobs in Vancouver

- Quality Control Specialist, CELL Core**
STEMCELL Technologies
- Project Manager**
STEMCELL Technologies
- Laboratory Services Assistant**
STEMCELL Technologies
- Senior Sales Operations Associate**
STEMCELL Technologies
- Quality Assurance Associate, Product Release**
STEMCELL Technologies

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Other Science Jobs in Vancouver

- Senior Scientist, Protein Mass Spectrometry**
Amgen
- Associate Scientist, Downstream Process Development (CMC)**
AbCellera
- Postdoctoral Research Fellow**
UBC
- QA Associate**
Cytiva
- Process Development Manager**
Aspect Biosystems

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