

Publications of the Week

Ist2 Recruits the Lipid Transporters Osh6/7 to ER-PM Contacts to Maintain Phospholipid MetabolismFirst Author: Andrew King On Wong | Senior Author: Christopher Loewen (pictured)
Journal of Cell Biology | UBC Life Sciences Institute

Endoplasmic reticulum-plasma membrane (ER-PM) contacts are proposed to be held together by distinct families of tethering proteins, which in yeast include the VAP homologues Scs2/22, the extended-synaptotagmin homologues Tcb1/2/3, and the TMEM16 homologue Ist2. The authors show that Ist2 directly recruits the phosphatidyserine transport proteins and oxysterol-binding protein-related protein family members Osh6 and Osh7 to ER-PM contacts through a binding site located in Ist2's disordered C-terminal tethering region. **Abstract**

Human Placental Piwi-Interacting RNA Transcriptome Is Characterized by Expression from the DLK1-DIO3 Imprinted RegionFirst Authors: Victor Martinez, Adam Sage, Brenda Minatel, and Erin Marshall | Senior Author: Wan Lam (pictured)
Scientific Reports | BC Cancer Research Centre, BC Children's Hospital Research Institute, and UBC

Piwi-interacting RNAs (piRNAs) are a class of small-non-coding RNA with established roles as epigenetic regulators of gene expression, largely via methylation of targeted DNA sequences. To aid in understanding the contribution of these regulators in the placenta, the authors provide the first description of the piRNA transcriptome in human placentas. **Abstract**

[View All Publications](#)

Awards

July 2021 Award Winners

Science in Vancouver



Dr. Catherine Van Raamsdonk (pictured), an Associate Professor of Medical Genetics at UBC, received a Canadian Institutes of Health Research Project Grant to study the metastatic spread of oral melanoma. Find out which other Vancouver researchers won grants, awards, or scholarships in this month's award summary. **Read More**

New CIHR Project Grants Will Continue to Help Advance Brain Research

Djavad Mowafaghian Centre for Brain Health (DMCBH)



The Canadian Institutes of Health Research (CIHR) has announced the results of its Spring 2021 project grant competition, with six DMCBH members receiving funding to continue advancing research in multiple sclerosis, stroke, Huntington disease, brain repair, and bipolar depression. Dr. Freda Miller (pictured) will explore a strategy to replace lost oligodendrocytes and enable myelin repair following damage to white matter in the brain. **Read More**

Spring 2021 Awards for FHS Professor Ralph Pantophlet, BSc Candidate Amrit Tiwana

SFU Faculty of Health Sciences



Faculty of Health Sciences Associate Professor Dr. Ralph Pantophlet (pictured) received the 2021 Canadian Association for HIV Research / Canadian Foundation for AIDS Research Excellence in Research Award (Basic Science category). This prestigious recognition highlights and celebrates the contributions of Canadian researchers in HIV/AIDS research in Canada and internationally. **Read More**

Dr. Cherkasov Receives 2021 Faculty of Medicine Distinguished Achievement Award

Vancouver Prostate Centre



The UBC Faculty of Medicine's Distinguished Achievement Awards recognize faculty members who exemplify exceptional contributions in the areas of education, research, and/or service. Dr. Artem Cherkasov (pictured) has been awarded a 2021 Distinguished Achievement Award in Excellence in Foundational Science Research, which recognizes outstanding basic science research and scholarly contributions in the areas of health and life sciences. **Read More**

Faculty of Medicine Members Appointed to the Order of BC

UBC Faculty of Medicine



Faculty of medicine members Drs. Bonnie Henry, Poul Sorensen (pictured), Debra Braithwaite, and James McEwen have been appointed to the Order of British Columbia. They are among sixteen exceptional people appointed to the Order, the Province's highest form of recognition. Dr. Poul Sorensen is a Professor in the Department of Pathology and Laboratory Medicine and the Director of the Faculty of Medicine's Academy of Translational Medicine. **Read More**

2021 Faculty of Medicine Distinguished Achievement Award Recipients

UBC Faculty of Medicine



Each year, the Faculty of Medicine recognizes faculty members who are dedicated to advancing both the Faculty's values and vision of transforming health for everyone. Dr. Mel Krajdien (pictured) is recognized for his significant contributions to the university and community aimed at improving health outcomes of the population. **Read More**

Dr. Judy Illes and Dr. Michael Kobor Receive Faculty of Medicine Distinguished Researcher Awards

UBC Faculty of Medicine



Dr. Judy Illes (pictured), Professor of Neurology in the Department of Medicine's Division of Neurology, and Dr. Michael Kobor, Professor in the Department of Medical Genetics, have been awarded the 2020 Faculty of Medicine Distinguished Researcher Awards. The awards will be presented at Building the Future: Faculty of Medicine Research Trainee Day & Lecture Series. This event is open to all faculty members, trainees, and staff. **Read More**

Congratulations CIHR Spring 2021 Project Grant Recipients!

BC Children's Hospital Research Institute



Congratulations to the BC Children's and BC Women's investigators who were awarded funding through the Canadian Institutes of Health Research (CIHR) Project Grants Spring 2021 competition. BC Children's investigators had a funding success rate of more than 32 per cent, compared to the national average of just over 20 per cent. Dr. Rajavel Elango's (pictured) project will examine indispensable amino acid requirements in pregnancy and lactation. **Read More**

CBR Researchers to Investigate Type 2 Diabetes with CIHR Spring 2021 Project Grant

The Centre for Blood Research (CBR)



Congratulations to Centre of Blood Research scientists who received funding as part of the Spring 2021 Project Grant competition! With this funding, project principal investigator Dr. Edward Conway (pictured), co-investigator Dr. Leonard Foster, and their teams will study the role of protein CD248 in diabetes and adipose tissue health, an area of research that could aid the development of new therapies. **Read More**

[View Monthly Award Summaries](#) | [View All Featured Awards](#)

Local News

Beyond COVID-19: How mRNA Technology Could Transform How We Treat Disease

UBC Faculty of Medicine



When Dr. Anna Blakney (pictured) interviewed for a position at UBC at the start of 2020, mRNA technology — her area of research expertise — wasn't yet widely known by the general public. Then COVID-19 hit. Today, more than a billion doses of mRNA vaccines have been administered worldwide to protect against the novel coronavirus. **Read More**

UBC Origin Stories: How Three UBC Researchers Turned into Entrepreneurs

Entrepreneurship@UBC



The world is in a state of transition: the innovation we need today comes from deep tech and scientific breakthroughs that often require years of dedicated research and development to prepare for market impact. The COVID-19 pandemic has demonstrated the widespread importance of translating research innovations into solutions to solve global issues. **Read More**

Clinical Trial Aims to Improve the Outcomes for Patients with Colorectal Cancer after Surgery

BC Cancer



Colorectal cancer is the second most common cause of cancer death in Canada. An international clinical trial, which will be chaired in Canada by Dr. Jonathan Lere (pictured) at BC Cancer, is examining whether circulating tumour DNA found in a blood test can be used to better select chemotherapy and improve the outcomes of patients after surgical removal of their colorectal cancer. **Read More**

BC Cancer Researcher Looking into Breath and Sweat as an Early Marker for Lung Cancer

BC Cancer



In May 2020, BC Cancer researcher Dr. Renelle Myers (pictured) opened the first Breathomics Lab in BC with specialized equipment to study the components of breath for the early detection of lung cancer. Breath samples from lung cancer patients will be compared to breath samples from people without lung cancer to see if there are clues in breath that could indicate a possible tumour. **Read More**

Embracing the One Health Approach

Genome BC



When the SARS-CoV-2 virus replicates there is potential for mutation, not only within the human population, but also within animal populations that interact with humans. Farmed mink are of particular interest since they are highly susceptible to SARS-CoV-2 and, in Europe, have also been shown to transmit the virus back to humans. The transmission of the virus to and from mink has created a specific opportunity to pilot a One Health project. **Read More**

[View All Articles](#) | [Submit an Article](#)**Upcoming Events in Vancouver**

August 12

2:00 PM

Three Minute Postdoc Slam

Online

September 8

12:00 PM

New Genomics for Non-Invasively Monitoring Canada's Polar Bear Populations

Online

September 9

9:00 AM

ADDC Webinar — "Things I Wish I Knew": Venture Funding

Online

September 11

10:00 AM

Soapbox Science Vancouver

Online

September 15

12:00 PM

Investigating Drought Resistant Soy Bean Cultivars

Online

[View All Events](#) | [Submit an Event](#)**STEMCELL Jobs in Vancouver****Research Technologist, Cell Biology**

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Senior Research Associate

STEMCELL Technologies

Senior Quality Control Analyst, Microbiology

STEMCELL Technologies

Program Coordinator

STEMCELL Technologies

Scientific Communications Coordinator

STEMCELL Technologies

[View 72 Other STEMCELL Jobs](#)**Other Science Jobs in Vancouver****Assistant Professor, Tenure-Track**

UBC

Research Scientist, Cell Biology & Assay Development

AbCellera

Technical Writer, CMC Regulatory

Xenon Pharmaceuticals

Associate Scientist

Amgen

Postdoctoral Fellow, Gastrointestinal Cancers

Canada's Michael Smith Genome Sciences Centre

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