

Publications of the Week

Comparative Genomics Identified a Genetic Locus in Plant-Associated *Pseudomonas* spp. that Is Necessary for Induced Systemic Susceptibility

First Author: Polina Beskrovnoyaya (pictured, front row, third from left) | Senior Author: Cara Haney (front row, right) mBio | Michael Smith Laboratories and UBC



The authors have previously identified strains of root-associated *Pseudomonas* spp. that promote plant growth but unexpectedly elicited induced systemic susceptibility (ISS) rather than induced systemic resistance to foliar pathogens. Here, they demonstrated that the ISS-inducing phenotype is common among root-associated *Pseudomonas* spp. [Profile](#) | [Abstract](#)

Multi-Omic Approach to Identify Phenotypic Modifiers Underlying Cerebral Demyelination in X-Linked Adrenoleukodystrophy

First Author: Phillip Richmond | Senior Author: Clara van Karnebeek (pictured) Frontiers in Cell and Developmental Biology | BC Children's Hospital Research Institute



Early identification of transition from X-linked adrenoleukodystrophy (ALD) to cerebral ALD (CALD) is critical, since it can be halted by allogeneic hematopoietic stem cell therapy only in an early stage. The primary goal of this study was to identify molecular markers which may be prognostic of cerebral demyelination from a simple blood sample from patients with ALD, with the hope that blood-based assays can replace the current protocols for diagnosis of CALD. [Abstract](#)

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Awards

June 2020 Award Winners



Amanda Cheung (pictured), a neuroscience PhD student in the UBC Faculty of Medicine, is among those awarded a Vanier Canada Graduate Scholarship. The award will support her research into the hemodynamic management of acute spinal cord injury. Find out which other Vancouver researchers won grants, awards, fellowships and scholarships in our June 2020 award summary! [Read More](#)

Researchers at Canada's Michael Smith Genome Sciences Centre at BC Cancer Recognized with Team Science Award

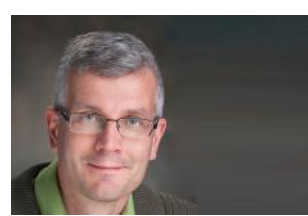
BC Cancer Research Centre



The American Association for Cancer Research (AACR) has awarded teams associated with the Cancer Genome Atlas with a 2020 AACR team science award. These include Canada's Michael Smith Genome Sciences Centre (GSC) Directors Drs. Marco Marra (pictured, right) and Steven Jones (centre), and staff scientist Dr. Gordon Robertson (right). [Read More](#)

MSFHR Partners with CIHR to Fund Vital COVID-19 Research

Michael Smith Foundation for Health Research



The Canadian Institutes of Health Research (CIHR) has announced the successful projects from the Rapid Research Funding Opportunity launched in May, including one from Dr. Peter Unrau (pictured) of SFU. The Michael Smith Foundation for Health Research (MSFHR) joined research funders from across Canada to partner on this opportunity that focuses on mitigating the spread of COVID-19 and its impact on people, communities, and health systems. [Read More](#)

LSI Draws \$3.3 Million in Federal Funding for COVID-19 Research

UBC Life Sciences Institute



Researchers at the UBC Life Sciences Institute (LSI) have received a total of \$3,318,600 in the latest round of funding from the federal government in support of research aimed at addressing the COVID-19 outbreak. The teams, all focusing on drug research, will be led by Drs. Josef Penninger, Natalie Strynadka (pictured), and Pieter Cullis. Dr. Francois Jean will share leadership of an international consortium. [Read More](#)

Funding For Using AI to Develop Drug Cocktails for COVID-19

UBC Science



UBC microbiologists and chemists have received \$2.5 million in support of research aimed at addressing the health challenges of the COVID-19 pandemic. Among them is Dr. Artem Cherkasov (pictured) at the Vancouver Prostate Centre and the Vancouver Coastal Health Research Institute, whose team has received \$2.1 million to use artificial intelligence to search for SARS-CoV-2 inhibitors among known drugs. [Read More](#)

Faculty of Medicine Members Receive \$3.8M to Pursue Research in Various Natural Sciences and Engineering Disciplines

UBC Medicine



Dr. Nika Shakiba (pictured) is among the nineteen UBC Faculty of Medicine members that have received funding from the Natural Sciences and Engineering Research Council of Canada, through its Discovery research program. Their projects are among 183 UBC-led projects that have received a combined \$37 million to pursue research in a variety of natural sciences and engineering disciplines. [Read More](#)

Faculty of Medicine Student Awarded the Banting Postdoctoral Fellowship

UBC Medicine



Dr. Céline Laumont (pictured), a postdoctoral fellow in the UBC Faculty of Medicine's Department of Medical Genetics, is one of three UBC scholars awarded a prestigious Banting Postdoctoral Fellowship. The national award, which is valued at \$70,000 each year for two years, supports research that will positively contribute to Canada's economic, social, and research-based growth. Laumont's research focuses on the inner workings of the immune system. [Read More](#)

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Local News

World-Renowned Neurobiologist Dr. Freda Miller Joins UBC

Michael Smith Laboratories



The Michael Smith Laboratories and UBC Department of Medical Genetics have announced that Dr. Freda Miller (pictured), a stem cell and developmental neurobiologist, will join UBC this fall. Dr. Miller has made seminal scientific discoveries over the course of her career. Her discovery of stem cells in the second layer of the skin has provided the conceptual basis for using skin as a major source for genesis of human stem cells. [Read More](#)

COVID-19 Series: Dr. Kurt Haas Receives CIHR Grant to Study the Role of Receptor Gene ACE2

Djavad Mowafaghian Centre for Brain Health



This COVID-19 Series story features Djavad Mowafaghian Centre for Brain Health researcher Dr. Kurt Haas (pictured), Professor in the Department of Cellular and Physiological Sciences at UBC, who received a CIHR grant last week to support his COVID-19 research. When COVID-19 hit North America in March, Haas team realized they could apply their research process for autism to studying the virus. [Read More](#)

COVID-19 Series: Dr. Terry Snutch Leads Canadian Researchers in Sequencing Virus Genome

Djavad Mowafaghian Centre for Brain Health



This COVID-19 Series story features Djavad Mowafaghian Centre for Brain Health researcher Dr. Terry Snutch (pictured), Professor in UBC's Department of Psychiatry and Canada Research Chair in Biotechnology and Genomics-Neurobiology. Dr. Snutch is leading a project with the goal of sequencing up to 150,000 viral genomes isolated from people infected with COVID-19. [Read More](#)

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Interesting Articles

Increased Support for Students, Trainees and Research Support Personnel Funded through NSERC Research Grants

Natural Sciences and Engineering Research Council of Canada



To lessen the impact due to COVID-19 on students, trainees and research support personnel funded through research grants, the Natural Sciences and Engineering Research Council of Canada (NSERC) will provide additional funding to eligible grant recipients. This additional funding will play a critical role in ensuring continuity in research projects and programs. [Read More](#)

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Upcoming Events in Vancouver

- July 8
9:00 AM
Deciphering the Cell Cycle: The Role of Cell Cycle Control in Cancer
Online
- July 9
10:00 AM
Blakes Breakfast Speaking Event: Update on the Fight against COVID-19
Online
- July 10
6:00 PM
Functions Workshop
Online
- July 12
1:30 PM
Vancouver STEMminist Book Club Reads "Lab Girl" by Hope Jahren
Online
- July 14-15
1:00 PM
VANFLY 2020
Online

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Science Jobs in Vancouver

Research Scientist, Cell Biology
Renaissance BioScience Corp.

Scientific Recruiter
AbCellera

Director, Corporate Communications
Zymeworks

Postdoctoral Fellow, Prostate Cancer
Vancouver Prostate Centre

Research Project Assistant
BC Cancer

[View 37 Other Science Jobs](#) | [Submit a Job](#)



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