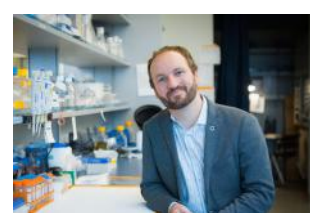


Publications of the Week

Beta-Cell Specific *Insr* Deletion Promotes Insulin Hypersecretion and Improves Glucose Tolerance Prior to Global Insulin Resistance

First Author: Sas Skovsa | Senior Author: James Johnson *(pictured)*
Nature Communications | Life Sciences Institute and UBC



Insulin receptor (*Insr*) protein is present at higher levels in pancreatic β -cells than in most other tissues, but the consequences of β -cell insulin resistance remain enigmatic. The authors use an *Insr^{Cre}* knock-in allele to delete *Insr* specifically in β -cells of both female and male mice. RNA sequencing of purified recombined β -cells reveals transcriptomic consequences of *Insr* loss, which differ between female and male mice. [Profile](#) | [Abstract](#)

NAFLD and the Gut-Liver Axis: Exploring an Undernutrition Perspective

First Authors: Kylynda Bauer and Paula Littlejohn | Senior Author: Brett Finlay *(pictured)*
Gastroenterology | Michael Smith Laboratories and UBC



Non-alcoholic fatty liver disease (NAFLD) is a chronic condition affecting one quarter of the global population. Although primarily linked to obesity and metabolic syndrome, undernutrition and the altered (dysbiotic) gut microbiome influence NAFLD progression. The authors present undernutrition conditions with fatty liver features, including kwashiorkor and micronutrient deficiency. [Abstract](#)

[View All Publications](#)

Awards

February 2022 Award Winners

Science in Vancouver



Dr. Kuo-Shyan Lin *(pictured)*, an Associate Professor in the Department of Radiology at UBC and a Senior Scientist in the Department of Molecular Oncology at BC Cancer, received a Canadian Institutes of Health Research Project Grant to design radiopharmaceuticals to treat clear cell renal cell carcinoma. See which other researchers received grants and scholarships in February. [Read More](#)

Dr. Manoj Paul Awarded a First-Place Research Award, to Represent Canada at International Competition

The Centre for Blood Research



Congratulations to Dr. Manoj Paul *(pictured)*, who won a Canadian Association for Dental Research-Network for Canadian Oral Health Research Student Research Award and also placed first in the competition's Senior Basic Science Research Category! He will be one of two awardees representing Canada at the International Association for Dental Research Hatton Competition, which takes place in June. [Read More](#)

The PhD Candidate Behind the 2021 UBC Science Excellence in Service Award

Life Sciences Institute



The academic demands of acquiring a PhD are by no means trivial. In coping, some seek solace in graduate school-themed memes, whilst others simply bide their time. There are the precious few who turn to community acts of service as their outlet. One such student is Paula Littlejohn *(pictured)*, who recently earned the UBC Science Excellence in Service Award for 2021 for her conceptualization and work on the seminar series, "Where Are All the Black People?" [Read More](#)

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

Local News

New Life Sciences Investment Helps Build Stronger BC

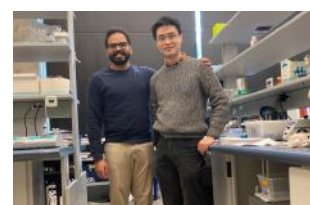
BC Government News



More British Columbians and people around the world will benefit from the life-changing work of BC's world-renowned life sciences sector thanks to a significant investment in health research. As announced in Budget 2022 and aligned with the StrongerBC Economic Plan commitment to position the province as a hub for life sciences and biomanufacturing, the Province is providing nearly \$195 million in grant funding to Michael Smith Health Research BC and Genome BC. [Read More](#)

Fundamental Studies on Protein Nanomachines Provide Molecular Insights into Rare Diseases

Life Sciences Institute



Dr. Calvin Yip *(pictured, right)* and recent PhD graduate Dr. Udit Dalwadi *(left)* published a study looking at Elongator, a protein conserved in life forms ranging from yeasts to humans that has been linked to Familial Dysautonomia. This rare hereditary neuropathy is characterized by symptoms such as decreased pain and temperature perception, lack of deep tendon reflexes, and progressive damage to the optic nerve. [Read More](#)

Searching for the 'Sweet Spot' of Tissue Repair

Research2Reality



Your immune system protects you from infection, but it also helps your body with all kinds of repairs. It performs a wide range of tasks, from helping wounds heal to clearing dead cells after organ damage. "Scar tissue is what happens when things don't repair well," says Dr. Kelly McNagny *(pictured)*, Professor of Biomedical Engineering at UBC. [Read More](#)

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Upcoming Events in Vancouver

March 9 8:30 AM	7th Annual Women's Health Research Institute Symposium Robert H. Lee Alumni Centre
March 9 9:30 AM	Let's Talk Vaccines Online
March 10 9:00 AM	Invest in the West Online
March 18 12:00 PM	Science Communication Career Workshop Online
March 23 10:00 AM	NMIN Lecture: Dr. Gang Zheng Online

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UBC
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AbCellera
- Senior Technician, Laboratory Operations**
Notch Therapeutics
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LM Labs

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