

Publications of the Week

A Role for Triglyceride Lipase *Brummer* in the Regulation of Sex Differences in *Drosophila* Fat Storage and Breakdown

First Author: Lianna Wat (*pictured, left*) | Senior Author: Elizabeth Rideout (*right*)
PLOS Biology | UBC Life Sciences Institute



One important determinant of whole-body fat storage is whether an animal is male or female. The authors used *Drosophila*, an established model for studies on triglyceride metabolism, to gain insight into the genes and physiological mechanisms that contribute to sex differences in fat storage. They identified a role for triglyceride lipase *brummer* in the regulation of sex differences in triglyceride homeostasis. [Profile](#) | [Abstract](#)

Predictive Biomarkers for Adjuvant Capecitabine Benefit in Early Stage Triple Negative Breast Cancer in the FinXX Clinical Trial

First Author: Karama Asleh (*pictured*) | Senior Author: Saranya Chumsri



Tumour tissues collected from triple negative breast (TNBC) cancer patients in the FinXX trial, randomized to adjuvant anthracycline-taxane based chemotherapy with or without capecitabine, were analyzed. Genes and metagenes related to anti-tumour immunity, immune response and capecitabine activation could identify TNBC patients who were more likely to benefit from adjuvant capecitabine. [Abstract](#)

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Awards

January 2020 Award Winners



Dr. Ly Vu (*pictured*), a scientist at the Terry Fox Laboratories, has received a prestigious three-year Basic/Translational Fellow to Faculty Award from the American Society of Hematology for her research into acute myeloid leukemia. Find out which other researchers received grants, awards, fellowships and scholarships in the month of January in our Monthly Award Summary! [Read More](#)

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Local News

Pioneering SFU Research Customizes Vaccines to Reduce Bacterial Disease

SFU News



The invention of vaccines for disease prevention is often cited as one of the miracles of modern medicine. New research led by Dr. Caroline Colijn (*pictured*), a Professor at SFU and a Canada 150 Research Chair in Mathematics for Evolution, Infection and Public Health, has suggested that tailoring vaccines based on geography and other factors could substantially reduce overall rates of bacterial disease. [Read More](#)

New Device Identifies High-Quality Blood Donors

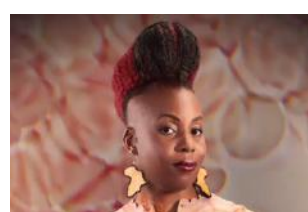
UBC Engineering



Blood banks have long known about high-quality donors — individuals whose red blood cells stay viable for longer in storage, and in the recipient's body. A new device developed at UBC is showing promise as a method to identify these "super" donors, potentially helping more than 4.5 million patients who need blood transfusions every year in Canada and the United States. [Read More](#)

Podcast Episode 2 "Diabetes: From Beta Cells to Bicycles"

BC Diabetes Research Network



In the second episode of Diabetes: From Beta Cells to Bicycles, host Krista Lamb is joined by BC Diabetes Research Network trainee and UBC PhD student Priye Iworima (*pictured*), who works in Dr. Timothy Kieffer's lab at the UBC Life Sciences Institute. Her current research involves using stem cells to generate insulin-producing cells, and optimizing the process for potential replacement cell therapy in patients living with type 1 diabetes. [Read More](#)

New Study First to Show Rerouting Patterns in the Brain Post-Concussion

Djavad Mowafaghian Centre for Brain Health



A new study led by researchers at UBC is the first to show how information is rerouted in the brain following concussion in adolescents. It's known that after a brain injury the number of connections in the brain increases and the flow of information changes. But until now, it was unclear exactly how the information flow was being altered post-concussion. [Read More](#)

Newly Renovated Home for Life Sciences Allows Student Research to Thrive

UBC Microbiology & Immunology



The Undergraduate Life Sciences Teaching Laboratories at UBC has officially opened. Formally known as UBC's Biological Sciences Centre, this renovated and expanded space brings together all of the undergraduate programs in life and biological sciences at the Vancouver campus into one complex - including Botany, Zoology, Physiological Sciences, Biochemistry, Molecular Biology and the Department of Microbiology and Immunology. [Read More](#)

Advancing Precision Medicine through Data Privacy and Security

Vancouver Prostate Centre



The Vancouver Prostate Centre is launching a collaboration with Roche and PHEMI Systems aimed at finding new insights into precision medicine and oncology treatment with help from the most advanced technology in data privacy and security. The project will integrate multiomics and clinical data to develop new insights into metastasis of prostate tumours and treatment outcomes. [Read More](#)

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 **Upcoming Events in Vancouver**

- February 11
7:30 PM **The Story Collider: Misfits**
Fox Cabaret
- February 12
5:30 PM **Informed Opinions: Writing Compelling Commentary to Extend Your Influence**
BCIT Downtown Campus
- February 12
7:00 PM **Addressing the Threat of Drug-Resistant Infections: Screening Plus Q&A**
Science World at Telus World of Science
- February 16
1:30 PM **Vancouver STEMminist Book Club**
University Women's Club of Vancouver
- February 18-19
9:00 AM **Coronavirus Hackathon**
SFU Big Data Hub

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 **STEMCELL Jobs in Vancouver**

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- Program Manager, Research & Development**
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Xenon
- Lecturer, Genetics and Microbiology**
Simon Fraser University
- Postdoctoral Fellow, Cancer Research**
UBC
- Postdoctoral Fellowship, Pharmacogenomics, Bioinformatics, and Clinical Pharmacology**
UBC Faculty of Pharmaceutical Sciences
- Flow Cytometry Technician, Cell Culture and Screening**
AbCellera

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IDENTIFYING GENETIC VARIANTS IN hPSCs
Webinar by Dr. Florian Merkle

 | [natureresearch](#)

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