



Publications of the Week

### Gelsolin Regulates Receptor-Mediated and Fluid-Phase Endocytosis in Platelets

First Author: Manoj Paul | Senior Author: Hugh Kim (*pictured*)  
Journal of Thrombosis and Haemostasis | UBC



Endocytosis is mediated by the actin cytoskeleton in nucleated cells, however, the endocytic mechanisms in platelets are undefined. To better understand platelet endocytosis, researchers studied gelsolin (Gsn), an actin-severing protein that promotes actin assembly. This study demonstrates that Gsn plays a key role in the uptake of bioactive mediators by platelets. [Abstract](#)

### siRNA-Mediated Reduction of a Circulating Protein in Swine Using Lipid Nanoparticles

First Authors: Massimo Cau and Francesca Ferrareso | Senior Author: Christian Kastrup  
Molecular Therapy Methods & Clinical Development | UBC



Genetic manipulation of animal models is a fundamental research tool in biology and medicine but is challenging in large animals. Swine are a preferred animal model for studying the cardiovascular and immune systems, but there are limited strategies for genetic manipulation. These findings advance siRNA-lipid nanoparticles in swine models, enabling genetic engineering of blood and hepatic proteins, which can likely expand to proteins in other tissues in the future. [Abstract](#)

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Awards

### May 2024 Award Winners

Science in Vancouver



Dr. Sally Otto (*pictured*) — a theoretical biologist focused on fundamental questions of population genetics and evolution — has been elected to the Fellowship of the United Kingdom's Royal Society. She joins 12 other UBC Science Fellows elected to the society over the past decades. See which other Vancouver researchers won funding and awards in May. [Read More](#)

### Drs. Robert Olson and Bernie Eigl Honoured for Excellence in Clinical Trials

UBC Faculty of Medicine



UBC Medicine researchers Drs. Robert Olson (*pictured*) and Bernie Eigl have been honoured by Clinical Trials BC for their outstanding contributions to clinical trials and research in British Columbia and beyond. The annual awards recognize individuals and organizations who have made significant contributions to strengthening BC's clinical trials ecosystem. [Read More](#)

### Fumiya Inaba Receives CIHR Canada Graduate Scholarships – Master's Award

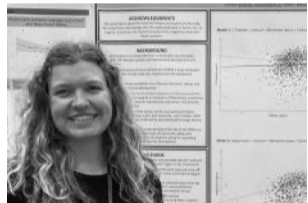
BC Cancer Research



BC Cancer congratulates Fumiya Inaba (*pictured*) from Integrative Oncology for receiving a Canada Graduate Scholarships - Master's Award (CGS-M) from the Canadian Institutes of Health Research (CIHR). The award is tied to a project titled, "Deep Learning Nuclei Segmentation to Predict Risk Groups in Prostate Cancer." The CIHR CGS-M awards provide recognition and support to students who are pursuing a Master's degree in a health-related field in Canada. [Read More](#)

### FHS PhD Candidate's Innovative Research Recognized with Award

SFU Faculty of Health Sciences



Faculty of Health Sciences PhD candidate Amanda Rowlands (*pictured*) has received the Phyllis Eveleth Award for outstanding poster presentation at the most recent annual meeting of the Human Biology Association. Rowlands' poster is a subset of her PhD research which examines the impacts of stress and energetic availability on the reproductive outcomes of adolescent girls. [Read More](#)

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Local News

### Abdera Therapeutics Announces FDA Clearance of IND Application for ABD-147

adMare Bioinnovations



Abdera Therapeutics announced that the FDA has cleared the company's Investigational New Drug (IND) application for ABD-147, the first delta-like ligand 3 targeting radiopharmaceutical for the treatment of small cell lung cancer and large cell neuroendocrine carcinoma. Abdera plans to initiate a Phase 1 clinical trial in the second half of 2024. [Read More](#)

### BC Cancer and BCCDC Scientist Launches Study on Misinformation

BC Cancer



UBC's Dr. Cheryl Peters (*pictured, left*), a senior scientist in cancer prevention at BC Cancer and the BC Centre for Disease Control (BCCDC), is launching a public health project called "Combating online misinformation about cancer causes and prevention". Dr. Peters' co-investigators are Drs. Timothy Caulfield (*right*) and Lin Yang from the Universities of Alberta and Calgary, respectively. [Read More](#)

### Helping Kids Overcome Food Allergies

UBC Faculty of Medicine



Dr. Lianne Soller (*pictured, left*), Dr. Edmond Chan (*centre*), and Beverley Ojeaga (*right*) at the BC Children's Hospital Research Institute are developing what's called food allergy immunotherapies. These innovative treatments involve gradually exposing children to allergens under medical supervision, with the hope that they will build up resilience and be able to safely consume the food at home. [Read More](#)

### Decoding the Genome to Predict the Clinical Course of Lymphomas

SFU Research



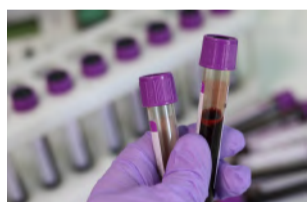
SFU's Dr. Ryan Morin (*pictured, left*) uses cutting-edge molecular and computational methods to study the genetic architecture of cancer. Dr. Morin's research group, including Dr. Kostiantyn Dreval (*right*), has been working to better understand how changes to the genetic material in B cells — mutations — leads to various forms of non-Hodgkin lymphomas. [Read More](#)

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Interesting Articles

### Blood Efficiency Accelerator Program

Canadian Blood Services



The objective of the Blood Efficiency Accelerator Program is to improve the efficient and appropriate utilization of blood products, while maintaining the safety of the blood system. To achieve this objective, the program will support innovative research projects that seek new knowledge or accelerate the application of existing knowledge. Applications are open until July 31, 2024. [Read More](#)

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### Upcoming Events in Vancouver

June 4 9:30 AM	<b>SBME Symposium 2024</b> AMS Student Nest
June 13 11:00 AM	<b>Effective Science Illustrations</b> Michael Smith Laboratories
June 19 6:00 PM	<b>Interconnected: Exploring Indigenous Perspectives on Earth Matters</b> Science World
June 20 5:00 PM	<b>Life Sciences BC Summer Social</b> Zymeworks Office
June 25 10:00 AM	<b>Girls and STEAM Summer Livestream</b> Online

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### Science Jobs in Vancouver

- Senior Research Associate I, Antibody Discovery & Engineering**  
Zymeworks
- Associate Research Coordinator, *in vivo* Pharmacology**  
AbCellera
- Scientist/Senior Scientist, Experimental Immunology**  
Amgen
- Post-Doctoral Research Fellow, Martone Lab**  
UBC
- Computational Biologist, Genome Sciences Centre**  
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