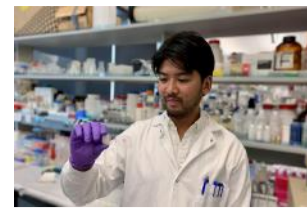


Publications of the Week

Prevention of Vascular-Allograft Rejection by Protecting the Endothelial Glycocalyx with Immunosuppressive Polymers

First Authors: Erika Siren & Haiming Luo (pictured) | Senior Author: Jayachandran Kizhakkedathu
Nature Biomedical Engineering | Centre for Blood Research, Life Sciences Institute, BC Children's Hospital Research Institute, SFU, and UBC



Systemic immunosuppression for the mitigation of immune rejection after organ transplantation causes adverse side effects and constrains the long-term benefits of the transplanted graft. The authors show that protecting the endothelial glycocalyx in vascular allografts via the enzymatic ligation of immunosuppressive glycopolymers under cold-storage conditions attenuates the acute and chronic rejection of the grafts after transplantation in the absence of systemic immunosuppression. [Profile](#) | [Abstract](#)

Conservation of Endo-Glucanase 16 Activity across Highly Divergent Plant Lineages

First Author: Hila Behar | Senior Author: Harry Brumer (pictured)
Biochemical Journal | Michael Smith Laboratories and UBC



Plant cell walls are highly dynamic structures that are composed predominately of polysaccharides. The endo-glucanase 16 (EG16) members constitute a distinct group of plant carbohydrate active enzymes, angiosperm orthologs of which were recently shown to have dual β -glucan/xyloglucan hydrolase activity. *Ex vivo* biomechanical assays demonstrated that the application of EG16 gene products caused abrupt breakage of etiolated hypocotyls rather than slow extension. [Abstract](#)

[View All Publications](#)

Awards

Recognizing the 500 Most Influential Business Leaders in British Columbia

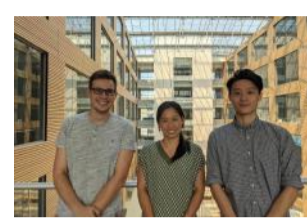
Business in Vancouver



BC500 features business leaders who have a notable impact on BC's communities, industries and economy. They are visionaries, innovators and trailblazers. They embody the values of modern leadership: engagement, trust, corporate citizenship, inclusion, and innovation. Dr. Allen Eaves (pictured) is the Founder, President, and CEO of STEMCELL Technologies and was named a top business leader in the Biotech and Life Sciences category. [Read More](#)

Co-op Students in the Tokuyama Lab Win Second Place in Three-Minute-Thesis Competition!

UBC Microbiology & Immunology



Thomas Deckers (pictured, left) and Eric Liu (right) are current co-op students in Dr. Maria Tokuyama's (center) lab researching endogenous retrovirus signatures in COVID-19. An equally collaborative process between the two, Deckers and Liu presented their research at the Canadian Society for Virology virtual symposium. With over 100 attendees from all over Canada and 24 Three-Minute-Thesis presentations, they received an award for second place! [Read More](#)

Afsaneh Mojtabanezhad Shariatpanahi Awarded International Myeloma Society Young Investigator Award for Exemplary Abstract

BC Cancer



Congratulations to Afsaneh Mojtabanezhad Shariatpanahi (pictured), a PhD student in the Kuchenbauer Lab, who has been awarded the International Myeloma Society Young Investigator Award for Exemplary Abstract for her research entitled "Improving the risk stratification of multiple myeloma with a nucleotide editor/inflammation-base scoring system". [Read More](#)

PHAS Researcher Receives CFI Funding to Advance Therapeutics Research and Development

UBC Department of Physics and Astronomy (PHAS)



UBC Physics & Astronomy Associate Professor Dr. Sabrina Leslie (pictured) has been awarded funding to set up a single-molecule and single-cell microscopy platform for therapeutics research and development. The project is funded through the Canada Foundation for Innovation (CFI) John R. Evans Leaders Fund, with matching funds from the British Columbia Knowledge Development Fund and additional support from other funding partners. [Read More](#)

Gerald Krystal Awarded Lotte & John Hecht Memorial Foundation Grant for Research on Optimizing Diets during Cancer Treatment

BC Cancer



Congratulations to Dr. Gerald Krystal (pictured), who has been awarded a Lotte & John Hecht Memorial Foundation grant for his research entitled "Optimizing Diets During Cancer Treatment". The Lotte & John Hecht Memorial Foundation provides grants to qualified educational and charitable organizations in correspondence to the objectives established by the Hechts in their lifetimes. [Read More](#)

UBC Pharmaceutical Sciences Faculty Members Supported by New Research Funding Announced This Week

UBC Pharmaceutical Sciences



Substantial investments into research at UBC and beyond were announced this week, with recipients including three UBC Pharmaceutical Sciences researchers. UBC Pharmaceutical Sciences Assistant Professor Dr. Sarah Hedtrich's (pictured) project titled "Complex human-based organ (disease) models for basic and preclinical research with a focus on human epithelia" will be awarded \$101,408 from the BC Knowledge Development Fund. [Read More](#)

FHS Professors Receive Funds to Enhance Lab Infrastructure and Strengthen Investigations

SFU Faculty of Health Sciences (FHS)



The Brockman and Brumme labs and Centre for Infectious Disease Genomics and One Health are the latest Faculty of Health Sciences beneficiaries of grants provided by the Canada Foundation for Innovation John R. Edwards Leadership Fund (JELF). For FHS Professors Drs. Mark Brockman (pictured, right) and Zabrina Brumme (left), the JELF fund supports an opportunity to renovate and equip a new HIV research lab in Blusson Hall. [Read More](#)

MidAS Project Receives \$6.5 Million in Funding

Michael Smith Laboratories



A Microbial Diversity Expansion for Applied Science (MIDAS) project received \$6.5 million in funding from the Canadian Foundation for Innovation and the BC Knowledge Development Fund. A group of researchers at UBC and UBC Okanagan, led by Dr. Thibault Mayor (pictured) of the Michael Smith Laboratories and Dr. Vivien Measday of the Faculty of Food and Land Systems, are thrilled to be combining their knowledge and laboratory studies on yeast. [Read More](#)

Faculty of Medicine Researchers Receive More than \$6.5M from BC Knowledge Development Fund

UBC Faculty of Medicine



Faculty of medicine members have been awarded more than \$6.5 million in funding from the BC Knowledge Development Fund to drive innovation in BC. Members include Dr. Samuel Aparicio (pictured), whose research will provide insight into how cancer changes over time and factors that cause treatment resistance, leading to improved diagnostics and therapeutics for cancer patients. [Read More](#)

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Local News

A Novel Twist on Gold Standard Nutritional Treatment for Pediatric IBD Could Lead to Longer-Term Remission

BC Children's Hospital Research Institute



The Gut4Health team at BC Children's Hospital and UBC, led by Dr. Bruce Vallance (pictured), recently looked at using a new type of exclusive enteral nutrition (EEN) formula in a mouse model of inflammatory bowel disease (IBD). Specifically, they wanted to test whether adding a type of fibre called inulin-type fructans to EEN would increase the benefits of the treatment and lead to better overall disease outcomes. [Read More](#)

Parenting 'Style' Affects Children at a Molecular Level

UBC Faculty of Medicine



New research from UBC's Faculty of Medicine and BC Children's Hospital Research Institute reveals that parenting "style" can affect how a child's genes are expressed—and these biochemical alterations can be observed among infants as young as three months of age. The study, recently published in *Attachment & Human Development* with first author Dr. Sarah Merrill (pictured), examined how toddler-parent attachment style correlates with the modification of infant DNA. [Read More](#)

Province Invests in Post-Secondary Research Innovation for a Stronger BC

BC Gov News



The BC government is investing nearly \$25 million to support 34 post-secondary research projects that will drive innovation and economic growth. The projects will also help create jobs, protect biodiversity and the environment, and help keep British Columbians healthy and safe. The funding is awarded through the BC Knowledge Development Fund and gives students and researchers access to the latest technology, tools and equipment they need to drive research projects forward. [Read More](#)

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Upcoming Events in Vancouver

- 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 13 10:00 AM **World Sepsis Day 2021 Panel: Bridging Gaps in Post-Sepsis Care for Sepsis Survivors** Online
- September 15 12:00 PM **Investigating Drought Resistant Soy Bean Cultivars** Online
- September 21 10:00 AM **BC Cancer Research Day** Online

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STEMCELL Technologies
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- Project Manager, Operations
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AlCellera
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- Scientist, Preclinical/Immunology
Acuitas
- Lead, Development & Validation
BC Children's & BC Women's Hospital Laboratory
- Postdoctoral Fellow, Functional Genomics/Glycomics
UBC

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