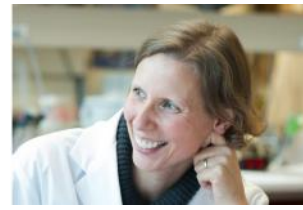


Publications of the Week

Donor-Specific Chimeric Antigen Receptor Tregs Limit Rejection in Naive but Not Sensitized Allograft Recipients

First Author: Antoine Sicard | Senior Author: Megan Levings *(pictured)*
 American Journal of Transplantation | British Columbia Children's Hospital Research Institute and UBC



The authors analyzed the effect of donor-specific chimeric antigen receptor (CAR) regulatory T cells (Tregs) on alloreactivity in naive, immunocompetent mice receiving skin allografts. Donor-specific CAR Tregs, but not irrelevant-CAR Tregs, significantly delayed skin rejection, and diminished donor-specific antibodies (DSAs) and frequencies of DSA-secreting B cells. [Abstract](#)

Are Noncommunicable Diseases Communicable?

Author: Brett Finlay *(pictured)*
 Science | Michael Smith Laboratories and UBC



The definition of noncommunicable diseases (NCDs) rules out microbial involvement and instead focuses on genetic, environmental, and lifestyle factors. However, data increasingly show that the microbiota is dysbiotic (altered) in individuals with various NCDs. The authors propose that some NCDs could have a microbial component and, if so, might be communicable via the microbiota. [Abstract](#)

[View All Publications](#)

Awards

Dr. Elizabeth Simpson Awarded Fighting Blindness Research Grant

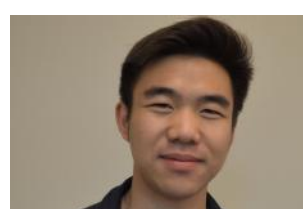
Centre for Molecular Medicine and Therapeutics



Currently, there are no cures or treatments to maintain vision long term in individuals with the eye disorder aniridia. Dr. Elizabeth Simpson's *(pictured)* team will use gene therapy to put a functioning copy of the PAX6 gene back into the eye of mice who have a mutation in PAX6, and assess whether this improves or even restores vision. This project is an important step before considering giving this treatment to patients. [Read More](#)

Learning Science by Travelling the World: 2019-2020 CBR Travel Awards

Centre for Blood Research



Over the past five years, the travel awards provided by the Centre for Blood Research (CBR) have been supporting the ongoing professional development of Postdoctoral Fellows and Research Associates. Year-round, the recipients will attend and present at various vibrant conferences across the globe. This year, CBR has expanded this funding opportunity to graduate trainees, like Jerry Leung *(pictured)*. [Read More](#)

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

Local News

New Tools to Protect against Foodborne Pathogens

Genome BC



Campylobacter is the most frequently reported bacterial foodborne illness in Canada, outnumbering the reported cases of *Listeria*, *Salmonella*, and Shiga-toxicogenic *Escherichia coli* infections combined. Genome BC has invested in a project, "One Health" Syst-Omics approach to reduce *Campylobacter* in agrifood chain, led by UBC's Dr. Xiaonan Lu and Dr. William Hsiao from the BC Centre for Disease Control. [Read More](#)

A New Home for Life Science Students at UBC

UBC Science



Students can now study for careers in the life sciences – including genetics, healthcare, conservation and ecology – in the renovated and expanded Undergraduate Life Sciences Teaching Laboratories at UBC. The \$91-million project increases capacity and provides life sciences students with opportunities to learn in well-equipped and spacious teaching laboratories, modern classrooms, and study areas designed to encourage collaboration and hands-on learning. [Read More](#)

UBC Microbiology Celebrates Dr. Mike Gold with a Mentorship Fund for First-Generation University Students

UBC Life Sciences Institute



Created to celebrate Dr. Mike Gold's *(pictured)* tenure as Department Head from 2009-2019, the Microbiology & Immunology First-Generation University Student Mentorship Fund has been established to support the career and personal development goals of undergraduates and graduate students in the Department of Microbiology and Immunology who are first-generation university students. [Read More](#)

UBC Microbiology & Immunology Student Laurel Neufeld Advances to the Finals of the UBC Undergrad 3 Minute Thesis Competition

UBC Microbiology & Immunology



UBC Microbiology & Immunology student Laurel Neufeld *(pictured)* is officially a top 10 finalist for the UBC Undergraduate 3 Minute Thesis Competition. Currently doing her Microbiology 449 project in the Finlay Lab, Laurel's first draft of the 3 Minute Thesis, which qualified her for finals, is on "Modelling *E. coli* infections in the gut." [Read More](#)

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Upcoming Events in Vancouver

January 28 9:00 AM	Preparing for the Non-Academic Job Market UBC Life Sciences Centre
January 29 7:30 PM	SFU Nobel Prize Lectures Science World at Telus World of Science
January 30 7:00 PM	Nerd Nite North Van: Stem Cells & BioPrinting, Video Game Truths & Sustainability in Filmmaking Eagles Club
February 2 1:30 PM	Vancouver STEMminist Book Club University Women's Club
February 6 8:00 PM	Science of Cocktails Science World at Telus World of Science

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STEMCELL Jobs in Vancouver

- Product and Scientific Support Specialist**
STEMCELL Technologies
- Process Chemist, Nanoparticles**
STEMCELL Technologies
- Scientific Marketing Specialist, Epithelial Cell Biology**
STEMCELL Technologies
- Content Editor & Corporate Writer**
STEMCELL Technologies
- Social Media Coordinator**
STEMCELL Technologies

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Other Science Jobs in Vancouver

- Scientist I/II, Developmental Immunology**
Notch Therapeutics
- Field Application Scientist**
MGI
- (Senior) Scientist, Translational Sciences, Pharmacokinetics**
Zymeworks
- Industrial Technology Advisor**
National Research Council of Canada
- Production Laboratory Technician**
bioLytical Laboratories

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