

Publications of the Week

Granzyme K Expressed by Classically Activated Macrophages Contributes to Inflammation and Impaired Remodeling

First Author: Christopher Turner (*fourth from left*) | Senior Author: David Granville (*front*)
Journal of Investigative Dermatology | ICORD, BC Professional Firefighters' Burn and Wound Healing Group and UBC



Granzyme K (GzmK), traditionally described as a pro-apoptotic, granule-secreted serine protease, has been proposed to promote inflammation. Found at low levels in the plasma of healthy individuals, GzmK is markedly elevated in response to sepsis and infection. To assess the role of GzmK in response to skin wounding, wild-type or GzmK^{-/-} mice were subjected to a grade 2 thermal injury. [Profile](#) | [Abstract](#)

A Genome-Wide Screen Identifies Genes in Rhizosphere-Associated *Pseudomonas* Required to Evade Plant Defenses

First Author: Zhexion Liu (*third from right*) | Senior Author: Cara Haney (*centre*)
mBio | UBC



Pseudomonas fluorescens and related plant root ("rhizosphere")-associated species contribute to plant health by modulating defenses and facilitating nutrient uptake. To identify bacterial fitness determinants in the rhizosphere of the model plant *Arabidopsis thaliana*, the authors performed a high-throughput transposon sequencing screen using the biocontrol and growth-promoting strain *Pseudomonas* sp. WCS365. [Profile](#) | [Abstract](#)

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Spotlight

Dr. Meaghan Jones Talks Epigenetics, Allergies, and the Immune System



Dr. Meaghan Jones (*pictured*) recently completed a postdoctoral fellowship in the laboratory of Dr. Michael Kobor at the Centre for Molecular Medicine and Therapeutics at BC Children's Hospital, where she explored the role of epigenetics in the development of the immune system. Dr. Jones sat down with us to discuss her research, a resulting patent, and the journey from postdoctoral fellow to professor. [Read More](#)

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Awards

New Canada Research Chairs Appointed in the Faculty of Medicine

UBC Faculty of Medicine



Seven researchers in the UBC Faculty of Medicine have been named Canada Research Chairs in recognition of excellence in their respective fields of study. The chairs include five new appointments and two renewals. Among them is Peter Zandstra (*pictured*), the Canada Research Chair in Stem Cell Bioengineering, who focuses his work on how individual cells form complex tissues and organs. [Read More](#)

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Local News

The Million-Dollar Drug

CBC News



It is one of this country's great scientific achievements. The first drug ever approved that can fix a faulty gene. It's called Glybera, and it can treat a painful and potentially deadly genetic disorder with a single dose — a genuine made-in-Canada medical breakthrough. But most Canadians have never heard of it. A team of researchers at the University of British Columbia spent decades developing the treatment for people born with a genetic mutation that causes lipoprotein lipase disorder. [Read More](#)

Pascal Biosciences Receives License to Produce, Use and Sell a Cannabinoid Compound that Slows Cancer Cell Growth

The Daily



An exciting licensing agreement between the University of Washington and Vancouver's Pascal Biosciences means that a cancer treatment derived from cannabinoids could become FDA-approved as soon as 2019. The agreement licenses the production, use, and sale of a cannabinoid-based compound, developed at the UW by Professor of Pharmacology and Psychiatry Dr. Nephi Stella, to Pascal Biosciences. [Read More](#)

Aspect Biosystems Receives \$2.7M Investment from the Government of Canada

Aspect Biosystems



Aspect Biosystems, a leader in the field of 3D bioprinting and tissue engineering, has received \$2.7 million from the Government of Canada's Western Innovation (WINN) Initiative. WINN has funded 17 projects in British Columbia this year, with total project funding of nearly \$20 million. This initiative is aimed at helping innovative companies in British Columbia grow and compete. [Read More](#)

Reaping The Rewards: MSFHR Investments in Infrastructure Are Growing BC's Health Research Capacity

Michael Smith Foundation for Health Research (MSFHR)



For more than a decade, MSFHR invested \$22.8 million in critical infrastructure projects to enhance and build capacity for health research across BC. Thanks to these investments, three funded infrastructure projects have matured into sustainable enterprises that are nationally-recognized for their research expertise and leadership. [Read More](#)

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 **Upcoming Events in Vancouver**

- November 27 6:00 PM **Student Biotechnology Network Networking Event**
Rogue Kitchen and Wetbar
- November 27 7:00 PM **KPU Speaker Series: The Unexamined Life Is Not Worth Living: Science, Skepticism and Evidence in the Age of 'Alternative Facts'**
Telus World of Science
- November 27 7:30 PM **Cafe Scientifique Vancouver**
Yagger's Downtown
- December 3 9:00 AM **UBC Postdoctoral Association Postdoc Research Day 2018**
Pharmaceutical Sciences Building
- December 6 6:00 PM **LifeSciences BC Holiday Social**
St. Regis Bar and Grill

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 **STEMCELL Jobs in Vancouver**

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 **Other Science Jobs in Vancouver**

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