

Publications of the Week

Particle Depletion Does Not Remediate Acute Effects of Traffic-Related Air Pollution and Allergen: A Randomized, Double-Blinded Crossover Study

First Author: Denise Wooding | Senior Author: Chris Carlsten *(pictured)*
American Journal of Respiratory and Critical Care Medicine | BC Children's Hospital Research Institute and UBC



Newer diesel particulate-filtering technologies may increase NO₂ emissions, raising questions regarding their effectiveness in reducing harm from associated engine output. The authors assessed the effects of diesel exhaust and allergen co-exposure on lung function, airway responsiveness, and circulating leukocytes, and determined whether diesel exhaust particle-depletion remediated these effects.

[Abstract](#)

Evaluating Measures of Association for Single-Cell Transcriptomics

First Author: Michael Skinnider | Senior Author: Leonard Foster *(pictured)*
Nature Methods | Michael Smith Laboratories, International Collaboration on Repair Discoveries and UBC



Owing to the unique statistical properties of scRNA-seq data, the optimal measures of association for identifying gene-gene and cell-cell relationships from single-cell transcriptomics remain unclear. The authors conducted a large-scale evaluation of 17 measures of association for their ability to reconstruct cellular networks, cluster cells of the same type and link cell-type-specific transcriptional programs to disease. [Abstract](#)

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Awards

Dr. Sriram Subramaniam Appointed Gobind Khorana Canada Excellence Research Chair in Precision Cancer Drug Design

Djavad Mowafaghian Centre for Brain Health



Dr. Sriram Subramaniam *(pictured)* was named the Gobind Khorana Canada Excellence Research Chair in Precision Cancer Drug Design. This Chair is dedicated to discovering and testing new, personalized life-saving cancer treatments right here in BC. Subramaniam is recognized as a global leader in the emerging field of cryo-electron microscopy, a technology that has sparked a revolution in imaging of protein complexes. [Read More](#)

2018 UBC Science Excellence in Service Award Recipient Dr. Erika Siren

Centre for Blood Research



Dr. Erika Siren *(pictured)* has received a 2018 UBC Science Excellence in Service Award for going above and beyond to provide support within her interdisciplinary field of biomaterials chemistry, increasing its visibility and accessibility and collaborations within the university. She's now continuing her education as a Friedman Scholar at Harvard Medical School. [Read More](#)

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Local News

UBC Attracts Over \$40M to Host Networks of Centres of Excellence in Nanomedicines

UBC Faculty of Medicine



The NanoMedicines Innovation Network, led by Pieter Cullis *(pictured)*, has been awarded \$18.5 million in new funding from the Networks of Centres of Excellence, a federal program that connects teams of scientists across Canada to collaborate on research with significant health, environmental and societal impacts. The funding will maintain and extend Canada's standing as a leader in the development of nanomedicines. [Read More](#)

New Study First to Identify an Expanded Section of DNA as Cause of a Rare Genetic Metabolic Disorder

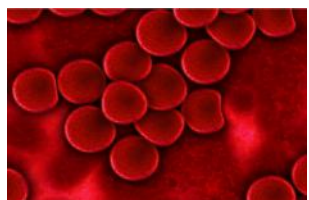
UBC Faculty of Medicine



New research from BC Children's Hospital, UBC and an international team of researchers is the first to identify a rarely-seen type of DNA mutation as the cause of an inherited metabolic disorder. In this specific mutation, the gene appears undamaged but does not function because the DNA adjacent to it has extended several hundred times its normal length. [Read More](#)

Genome BC Invests \$1 Million in Funding to Innovative Medical Diagnostics Company

Genome BC



Genome BC has announced \$1 million in funding to LightIntegra Technology (LIT). LIT has developed the first analyzer to provide a routine test for platelet activation status. A Vancouver based medical device company, LIT is focused on reducing the failure to achieve the desired level of blood platelets in a patient following a platelet transfusion and reducing costs for healthcare institutions and blood cancer patients. [Read More](#)

Tissue-Printing Firm Muscles into B.C.'s Top Biotech

Business in Vancouver



Due to the size of Vancouver's industry, there is still enough room in B.C.'s biotech ecosystem for each player to be recognized. Aspect Biosystems is the UBC spinoff startup that made waves by announcing its ability to use live human cells to create and build living human tissue. Aspect has now become one of the pioneering microfluidic 3D bioprinting companies in the world. [Read More](#)

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Interesting Articles

Minister of Health Announces \$81M Initiative to Increase Access to Health Research Data

Canadian Institutes of Health Research



The Honourable Ginette Pettipas Taylor *(pictured)*, Minister of Health, has announced a new \$81M initiative that will make it easier for researchers to access and analyze health research data. This groundbreaking initiative is a single portal through which researchers will be able to request access to a multitude of administrative, clinical, and social data from various sources from across the country. [Read More](#)

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 **Upcoming Events in Vancouver**

- May 2
8:00 AM **NanoLytics 2019**
Leslie & Gordon Diamond Family Auditorium, SFU
- May 3 - 4
6:00 PM **Creating Connections 6.0 Conference**
Vancouver Marriott Pinnacle Downtown
- May 5
2:00 PM **SciCATs' Fundamentals of Science Communication**
HR MacMillan Space Centre
- May 7
5:00 PM **Health XChange 2019**
Federico's Supper Club
- May 8
2:30 PM **Career Connect: AbCellera**
AbCellera

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 **STEMCELL Jobs in Vancouver**

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- Scientist, Matrix Biology**
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- Scientist, Human Immunology**
[STEMCELL Technologies](#)
- Associate Product Manager, Primary & Cultured Cells**
[STEMCELL Technologies](#)
- Program Manager, Scientific Communications - Histochemistry**
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 **Other Science Jobs in Vancouver**

- Vice President, Research**
Michael Smith Foundation for Health Research
AbCellera
- Scientist, Cell Culture and Screening**
AbCellera
- Associate Scientist, Protein Engineering**
Zymeworks
- Molecular Biologist**
NovoBind Livestock Therapeutics Inc.
- Lead, BC Programs**
Rick Hansen Institute


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Featured Webinar by Dr. Theo Moraes



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