

Publications of the Week

TWIST1 DNA Methylation Is a Cell Marker of Airway and Parenchymal Lung Fibroblasts That Are Differentially Methylated in Asthma

First Author: Rachel Clifford (*pictured*) | Senior Author: Tillie-Louise Hackett
Clinical Epigenetics | Centre for Heart Lung Innovation, BC Children's Hospital Research Institute, and UBC



The authors studied genome-wide DNA methylation and gene expression in airway and parenchymal lung fibroblasts from healthy and asthmatic donors to identify a robust cell marker, and to determine if these cells are molecularly distinct in asthma. They identified TWIST1 gene expression, DNA methylation, and protein expression as a cell marker of airway and parenchymal lung fibroblasts, with DNA methylation having 100% predictive discriminatory power. [Abstract](#)

Broad-Spectrum Antimicrobial and Antibiofilm Activity of a Natural Clay Mineral from British Columbia, Canada

First Author: Shekooh Behroozian | Senior Author: Julian Davies (*pictured*)
mBio | UBC



Natural clay minerals have a long history of therapeutic and biomedical applications and have lately received specific attention for their potent antimicrobial properties. The authors have demonstrated that Kisameet clay, which has strong antibacterial activity against a variety of multidrug-resistant bacterial pathogens *in vitro*, is effective against two major fungal pathogens, *Candida albicans* and *Cryptococcus neoformans*. [Abstract](#)

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Awards

Six Faculty of Medicine Researchers Elected as Fellows into the Canadian Academy of Health Sciences

UBC Medicine



Dr. Lori Brotto (*pictured*) is among the six UBC Faculty of Medicine researchers that have been elected to fellowship in the Canadian Academy of Health Sciences. They were elected along with 71 other distinguished individuals who have demonstrated leadership, creativity, distinctive competencies and background, and a commitment to advancing academic health science. [Read More](#)

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Local News

B.C. Needs COVID-19 Patients to Join Research Studies. These Two Women Are Doing Just That.

CBC News



Jaclyn Robinson, 42, was the picture of health until she contracted COVID-19 in March and ended up on a ventilator fighting for her life. Now, the mother of three is one of many British Columbians sharing their experiences with medical researchers. And B.C. researchers are looking for other patients like Robinson to participate. [Read More](#)

Derm-Biome Pharmaceuticals, Inc. Reports Positive Results from a Preclinical Study in Psoriasis

Derm-Biome Pharmaceuticals, Inc. via GlobeNewswire



Derm-Biome Pharmaceuticals, Inc, a private Vancouver-based biopharmaceutical company focused on skin health and healthy aging, has announced that one of its topical drugs produced significant and dose dependent inhibitory effects in a well established mouse model of psoriasis. These results come on the heels of a successful preclinical study in atopic dermatitis earlier this year using the same drug. [Read More](#)

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Interesting Articles

Prime Minister Announces Reappointment of Canada's Top Scientist

Justin Trudeau, Prime Minister of Canada



Canada's Prime Minister, Justin Trudeau, has announced Dr. Mona Nemer's (*pictured*) reappointment as Canada's Chief Science Advisor. Her reappointment will allow her to build on the achievements of her first term, which include the creation of science advisor positions across federal organizations and guidance and recommendations on a \$2.8 billion investment to build federal science and technology facilities. [Read More](#)

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Upcoming Events in Vancouver

- October 15 5:00 PM **SFU Café Scientifique: The Lungpacer System**
Online
- October 16 4:00 PM **Story Collider Science Story Slam: Fear**
Online
- October 26 2:00 PM **Virtual: 2020 Vancouver Gairdner National Symposium**
Online
- October 26-28 8:00 AM **2020 Till & McCulloch Virtual Meeting**
Online
- October 28 5:00 PM **Battle Lines: Fighting COVID-19 at the Intersection of Policy, Treatment and Prevention**
Online

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[STEMCELL Technologies](#)

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[STEMCELL Technologies](#)

Content Editor & Corporate Writer
[STEMCELL Technologies](#)

Senior Scientific Support Representative
[STEMCELL Technologies](#)

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Other Science Jobs in Vancouver

Tier 2 Canada Research Chair in Clinical Cancer Genetics and Genomics
UBC Department of Medical Genetics

Stem Cell Biologist
Aspect Biosystems

Scientist, Cell Biology & Assay Development
AbCellera

Research Associate, Bioinformatics
Canada's Michael Smith Genome Science Centre at BC Cancer

Research Assistant/Technician 3, Epigenetics
Centre for Molecular Medicine and Therapeutics

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Free Wallchart: SARS-CoV-2 Structure and Life Cycle



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