

### Publications of the Week

## Integration of DNA Methylation Patterns and Genetic Variation in Human Pediatric Tissues Help Inform EWAS Design and Interpretation

First Author: Sumaiya Islam | Senior Author: Michael Kobor (*pictured*)  
Epigenetics & Chromatin | Centre for Molecular Medicine and Therapeutics and UBC



The authors performed an epigenome-wide association study (EWAS) comparing genome-wide DNA methylation (DNAm) patterns between matched pediatric buccal epithelial cells and peripheral blood mononuclear cells, two of the most widely used peripheral tissues in human epigenetic studies. Specifically, they assessed DNAm variability, cross-tissue DNAm concordance and genetic determinants of DNAm across two independent early life cohorts encompassing different ages.

[Abstract](#)

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### Awards

## Three UBC Faculty Members Receive CAME Certificate of Merit Award

UBC Faculty of Medicine



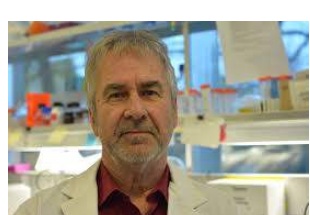
Three members of the UBC Faculty of Medicine — Maria Hubinette, Beth Watt, and Adrian Yee — have been named recipients of the 2019 Certificate of Merit Award by the Canadian Association for Medical Education (CAME). The award recognizes and rewards faculty members who are committed to medical education in 17 medical schools across Canada. [Read More](#)

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### Local News

## From Idea to Possibility: Moving Research from the Lab to Patient Care

Prostate Cancer Canada



Dr. Paul Rennie (*pictured*) and his team at UBC, including Drs. Artem Cherkasov and Emma Guns, are developing new ways to treat aggressive prostate cancer by targeting the cancer's hormone receptors. Their new treatment is designed to outsmart the cancer by targeting a site in the hormone receptor that does not usually mutate, a promising approach that has received nearly \$142 million to now move it from the lab to patient care. [Read More](#)

## This Scientist's Pain Will Be Future Cancer Patients' Gain

UBC News



In 2016, Dr. Mary De Vera (*pictured*), an Assistant Professor in UBC's Faculty of Pharmaceutical Sciences, was diagnosed with Stage 3 colorectal cancer. Now, Dr. De Vera is determined to demystify early-onset colorectal cancer. She landed a \$459,000 grant from the Canadian Institutes of Health Research to determine whether her diagnosis is part of a demographic shift in colorectal cancer, and if so, what might be done about it. [Read More](#)

## Protein Switch Identified in Connection with Disability Progression in MS

Djavad Mowafaghian Centre for Brain Health



Researchers know that the loss of neurons and their axons is responsible for disability in multiple sclerosis (MS), and inflammation associated with immune cells is thought to be implicated in this process. But to truly understand how the brain's cells are affected by oxidative stress, researchers led by Dr. Jacqueline Quandt (*pictured*) have been looking closely at the mechanisms behind this immune-mediated degeneration. [Read More](#)

## Bovine Tuberculosis Strain Tested in B.C. Cow Is Distinct, Not Seen in Canada

The Vancouver Sun



Canada's chief veterinary officer says test results from a case of bovine tuberculosis (TB) found in a cow in B.C. last November show a strain not seen before in Canada or the United States. Jaspinder Komal says this TB isn't connected to any cases previously detected in wild animals or domestic livestock. He says four confirmed cases of the disease have been found in the herd, including the cow first confirmed to have the disease. [Read More](#)

## Memoir of a Medical Rebel: A Conversation with Dr. Michael Klein

The Province



Vancouver-based medical maverick Dr. Michael Klein (*pictured*) has released an autobiography, *Dissident Doctor: Catching Babies and Challenging the Medical Status Quo*, describing his five decades in medicine. After heading the Department of Family Medicine at McGill University for 17 years, Klein was appointed head of the Department of Family Practice at B.C. Children's and Women's Hospital where he remained for ten years. [Read More](#)

## Ensuring Safe Cannabis Products in a Newly Regulated Environment

Genome BC



The legalization of cannabis in Canada has heightened the need to understand more about this once forbidden plant. BC is already poised to be a leader in cannabis research with industry leading experts such as Dr. Jonathan Page, who was the first to sequence the cannabis genome. Page co-founded Anandia Laboratories on UBC campus, and the company has since emerged as a world-leading company for testing cannabis produced by other growers. [Read More](#)

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### Interesting Articles

## Trudeau Wants Canada to Be a Global Leader in Science. So Why Is He Ending a Successful, Innovative Program?

The Globe and Mail



Minister of Science Kirsty Duncan has announced that Ottawa is set to eliminate funding for its Networks Centres of Excellence program, which would end world-renowned scientific networks and the research, researchers and trainees they support. This is a widely admired program with a stellar track record of supporting innovative research on its way to the market or clinic. [Read More](#)

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### Upcoming Events in Vancouver

- January 16**  
6:30 PM **Nobel Prize Lectures**  
Telus World of Science
- January 17**  
5:00 PM **Beaty Nocturnal: A Botanical Time Machine**  
Beaty Biodiversity Museum
- January 19**  
10:30 AM **Community Science Celebration**  
Britannia Community Services Centre
- January 22**  
8:30 AM **ICTC Women's Roundtable Workshop**  
Morris J Wosk Centre for Dialogue
- January 24**  
6:30 PM **Science World After Dark**  
Telus World of Science

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### STEMCELL Jobs in Vancouver

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STEMCELL Technologies
- Research Associate, Business Operations Products**  
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- Scientific Marketing Specialist**  
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- Product and Scientific Support Specialist, Stem Cell Biology**  
STEMCELL Technologies
- Scientific Communications & Publishing Coordinator**  
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### Other Science Jobs in Vancouver

- Scientist, Preclinical Pharmacology**  
InMed Pharmaceuticals
- Research Technician**  
Centre for Molecular Medicine and Therapeutics, UBC
- Scientist, Cell Culture and Screening**  
AbCellera Biologics
- Clinical Research Coordinator**  
Providence Health Care Research Institute, Pacific Lung Research Group
- Preclinical Immunotherapy Lead**  
Novelogs Biotechnology

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