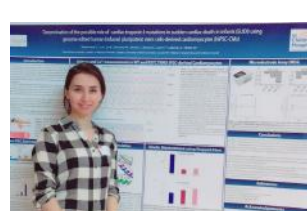


Publications of the Week

In Vitro Analyses of Suspected Arrhythmogenic Thin Filament Variants as a Cause of Sudden Cardiac Death in Infants

First Author: Sanam Shafaattalab (*pictured*) | Senior Author: Glen Tibbits
PNAS | BC Children's Hospital Research Institute, SFU and UBC



To investigate the genetic pathogenesis of sudden unexpected death of an infant (SUDI), the authors sequenced >70 genes from 191 autopsy-negative SUDI victims. They investigated the biophysical properties of the *TNNI3R37C* mutation in human reconstituted thin filaments using fluorometry. They also generated *TNNI3R37C^{+/−}* mutants in human induced pluripotent stem cell derived cardiomyocytes using CRISPR-Cas9. [Profile](#) | [Abstract](#)

Female and Male Mouse Lung Group 2 Innate Lymphoid Cells Differ in Gene Expression Profiles and Cytokine Production

First Author: Laura Mathà | Senior Author: Fumio Takei (*pictured*)
PLOS ONE | Terry Fox Laboratory and UBC



To understand sex-related differences in group 2 innate lymphoid cell (ILC2) functions and ILC2 intrinsic or lung environmental mechanisms behind it, the authors investigated the effects of sex and age on lung ILC2 function, the amounts of ILC2-activating cytokines in the lung and gene expression profiles of male and female ILC2s. Gene set enrichment analysis showed that female ILC2s are enriched for gene signatures of memory T cells. [Abstract](#)

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Awards

Dr. Connie Eaves Awarded the 2019 Canada Gairdner Wightman Award

UBC Medicine



Dr. Connie Eaves (*pictured*) is being recognized as one of the most creative and accomplished biomedical scientists advancing solutions to problems facing humanity around the world. Dr. Eaves is the 2019 recipient of the Canada Gairdner Wightman Award, which recognizes scientists who make transformative contributions to research that impact human health. [Read More](#)

New Grants Boost Research into Nutrition and the Epigenome

BC Children's Hospital Research Institute



BC Children's Hospital and UBC researchers Dr. Michael Kobor (*pictured*) and Dr. Yvonne Lamers are leading two new international projects investigating the relationship between diet, the epigenome and health, thanks to almost \$900,000 in funding from the Canadian Institutes of Health Research. These projects were the only two awarded funding through CIHR's Team Grant: Nutrition and the Epigenome competition. [Read More](#)

Natalie Dakers Receives 2019 Milton Wong Award for Leadership

Accel-Rx



Natalie Dakers (*pictured*) has been awarded the 2019 Milton Wong Award for Leadership. The award recognizes and celebrates an individual working in the life sciences or biotechnology industry in British Columbia who has made a significant contribution to the development of the sector. Much of her career has been spent in pursuit of driving early innovation within the biopharmaceutical sector. [Read More](#)

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Local News

Inside the Brain of an Opera Singer

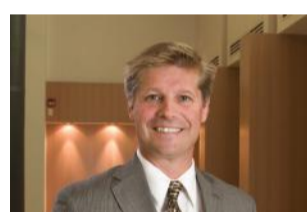
UBC Music



Professor Nancy Hermiston (*pictured*) is convinced that opera training must sculpt the brain. After 16 years of trying to build a research team, she has finally succeeded in kickstarting the Wall Opera Project, bringing together experts in opera, neuroscience, linguistics, education and kinesiology – one of the largest interdisciplinary projects combining the arts, humanities and sciences across UBC. [Read More](#)

Translating Research to Treat Prostate Cancer

UBC Faculty of Medicine



Dr. Martin Gleave (*pictured*), a UBC medical school alumnus, co-founded the Vancouver Prostate Centre (VPC) in 1998. It has since become one of the world's most respected cancer research facilities. Programs at the VPC have created a collaborative and fertile environment with a rigorous bench-to-bedside philosophy, focused on advancing clinical research discoveries into treatments with minimal delay. [Read More](#)

New Anticoagulants Enhance “Clot-Busting” Ability of the “Clot-Former” Factor Xa

Centre for Blood Research



A recent publication from the Prydzial lab at the Centre for Blood Research took a deeper look at two relatively new clotting factor Xa-directed oral anticoagulants known as rivaroxaban (Xarelto®) and apixaban (Eliquis®). Dr. Rolinda Carter (*pictured*), the lead author of the paper, explains her work in this brief interview. [Read More](#)

Aspect Biosystems Enters Collaboration with UCLA's C-MIT

Aspect Biosystems



Aspect Biosystems has announced a collaboration with the Center for Minimally Invasive Therapies (C-MIT) at the University of California, Los Angeles (UCLA). This collaboration includes the placement of an RX1™ Bioprinter at C-MIT to develop engineered tissues for regenerative medicine and organ-on-a-chip applications. [Read More](#)

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Interesting Articles

From the Anti-Vaxxers to Flat Earthers: What Makes People Distrust Science?

Global News



From the anti-vaccine movement to the belief that the earth is flat, there seems to be a growing distrust of science and institutions, and experts say it's difficult to come up with an antidote to the erosion. The recent rise of flat earthers, anti-vaxxers and climate change skeptics seems to have caught people's imagination and fueled wariness of science. But are these movements on the rise or have they always been there? [Read More](#)

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Upcoming Events in Vancouver

- April 9
4:00 PM

Life After Graduate School
Djavad Mowafaghian Centre for Brain Health
- April 10
7:00 PM

Science Slam YVR
Storm Crow Alehouse
- April 10
7:00 PM

Confronting the Disinformation Age: Innovations in Research
Segal Building
- April 11
6:00 PM

VanBUG: Deciphering Cis-Regulatory Logic Using Interpretable Deep Learning Models
BC Cancer
- April 16
4:00 PM

D. Harold Copp Lecture
Life Sciences Centre

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STEMCELL Jobs in Vancouver

- Program Manager, Scientific Communications - Histochemistry**
STEMCELL Technologies
 - Process Chemist, Nanoparticles**
STEMCELL Technologies
 - Scientific Recruiter**
STEMCELL Technologies
 - Senior Scientist, Neuroscience**
STEMCELL Technologies
 - Process Engineer**
STEMCELL Technologies
- [View 78 Other STEMCELL Jobs](#)

Other Science Jobs in Vancouver

- Vice President, Research**
Michael Smith Foundation for Health Research
 - Director, Regulatory Affairs & Clinical Development**
AbCellera
 - Scientist, Molecular Simulations**
Zymeworks
 - Post Doctoral Fellow**
BC Cancer
 - Director/Sr. Director, Late Stage Chemistry, Manufacturing and Controls**
Xenon
- [View 48 Other Science Jobs](#) | [Submit a Job](#)

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