

Publications of the Week
Paternally Expressed Gene 10 (PEG10) Promotes Growth, Invasion and Survival of Bladder Cancer

 First Author: Martin Gleave (*pictured*) | Senior Author: Peter Black
 Molecular Cancer Therapeutics | Vancouver Prostate Centre


Paternally Expressed Gene 10 (PEG10) has been associated with neuroendocrine (NE)-muscle-invasive bladder cancer (MIBC), a subtype of the disease with the poorest survival. The authors further characterized the expression pattern of PEG10 in TCGA database of 412 MIBC patients, and found that, compared to other subtypes, PEG10 mRNA level was enhanced in NE-like MIBC and highly correlated with other NE markers. [Abstract](#)

HLA Predictions from the Bronchoalveolar Lavage Fluid and Blood Samples of Eight COVID-19 Patients at the Pandemic Onset

 First Author: René Warren (*pictured*) | Senior Author: Inanc Birol
 Bioinformatics | Canada's Michael Smith Genome Sciences Centre at BC Cancer


The human leukocyte antigen (HLA) gene complex plays a critical role in host immunity. The authors predicted HLA class I and II alleles from the transcriptome sequencing data prepared from the bronchoalveolar lavage fluid samples of five patients and from the peripheral blood mononuclear cells of three patients at the early stage of the COVID-19 outbreak in Wuhan, China. [Abstract](#)

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Awards
August 2020 Award Winners


Dr. Mel Krajden (*pictured*) from the B.C. Centre for Disease Control and the UBC Faculty of Medicine is one of 13 individuals recognized for this year's Order of British Columbia, one of the province's highest honours. See which other Vancouver-based researchers received grants, awards, scholarships and fellowships in our August 2020 award summary. [Read More](#)

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Local News
Geoscience BC Uses Bacterial DNA to Help Guide Mineral Exploration

Resource Clips



Imagine that — tens of thousands of bacterial species teeming in every little gram of soil. It might take even greater imagination to see opportunity therein. But ever-innovative Geoscience BC has found ways to analyze the bacteria's DNA for clues about possible underlying deposits. That's the topic of the non-profit society's newly released report from three departments at UBC. [Read More](#)

New Tool Enables Researchers to Assemble Transcript Isoforms from Single Cells

Canada's Michael Smith Genome Sciences Centre at BC Cancer



The advent of single-cell RNA sequencing technologies has provided unprecedented opportunities for the analysis of transcriptomes at single-cell resolution, allowing researchers to explore cell-to-cell variability. Now, Genome Science Centre Distinguished Scientist Dr. Inanc Birol (*pictured*) and his group have developed a tool for the analysis and identification of RNA isoforms from single-cell RNA sequencing data. [Read More](#)

The Code of Life: How Genomics Is Helping Eradicate Malaria

Genome BC



Malaria kills an estimated 400,000 people every year. In many countries, it's the leading cause of death in children and pregnant women. But malaria isn't just a health issue — it's also an economic one. In this episode of Genome BC's podcast, *The Code of Life*, Drs. Jennifer Gardy and Léa Toé discuss how genomics may be the key to eradicating malaria once and for all. [Read More](#)

Study Shows CRISPR/Cas9-Mediated Gene Editing Can Prevent Vision Loss in Mice

BC Children's Hospital Research Institute



A recent study from Dr. Elizabeth Simpson (*pictured*) and colleagues at the Centre for Molecular Medicine and Therapeutics at BC Children's Hospital presents important steps toward a future treatment for aniridia-related vision problems and blindness in kids. Aniridia, a rare genetic eye disorder caused by mutations in the *PAX6* gene, results in the complete or partial absence of the iris and varied levels of vision loss or impairment. [Read More](#)

Post-Doctoral Fellowship in Cembrowski Lab a "Lucky and Perfect Fit" for Walter Benjamin Award Winner

UBC Life Sciences Institute



Walter Benjamin Fellowship awardee Dr. Larissa Kraus (*pictured*) is coming to the UBC Life Sciences Institute (LSI) to work on a collaborative project that harnesses her experience with human brain tissue and her interest in epilepsy. The LSI caught up with the newly minted PhD in the week following her thesis defense, and posed a few questions about her plans for Vancouver. [Read More](#)

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Upcoming Events in Vancouver

September 9 6:00 AM	COVID-19 International Research Symposium Miniseries: COVID-19 Vaccines Online
September 9 8:00 AM	2020 Virtual Norman Bethune Symposium Online
September 10 4:00 PM	LifeSciences BC Fall Networking Event Online
September 14 12:00 PM	Women's Health Seminar: Sex Differences in Brain Aging and Memory-Related Brain Function Online
September 17 8:00 AM	Skills of Communication Online

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Science Jobs in Vancouver
Scientist, Immunization

AbCellera

PhD Student, Development of Novel Topical Therapies for Atopic Diseases

UBC Faculty of Pharmaceutical Sciences

Senior Scientist/Scientist, Assay Development

Boreal Genomics

Process Development Associate

STEMCELL Technologies

Product Costing Specialist

STEMCELL Technologies

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