

Publications of the Week

The Pathognomonic FOXL2 C134W Mutation Alters DNA Binding Specificity

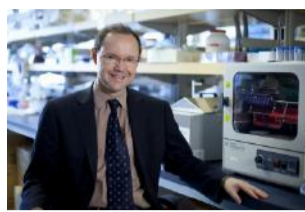
First Author: Annaick Carles (*pictured*) | Senior Author: Martin Hirst
Cancer Research | UBC and the Michael Smith Genome Science Centre at BC Cancer



The somatic missense point mutation c.402C>G (p.C134W) in the FOXL2 transcription factor is pathognomonic for adult-type granulosa cell tumours (AGCT) and a diagnostic marker for this tumour type. The results suggest that FOXL2C134W drives AGCT by altering the binding affinity of FOXL2-containing complexes to engage an oncogenic transcriptional program. [Abstract](#)

Single Cell Transcriptomes of Normal Endometrial Derived Organoids Uncover Novel Cell Type Markers and Cryptic Differentiation of Primary Tumours

First Author: Dawn Cochrane | Senior Author: David Huntsman (*pictured*)
The Journal of Pathology | BC Cancer, UBC and Vancouver General Hospital



Endometrial carcinoma, the most common gynaecological cancer, develops from endometrial epithelium which is composed of secretory and ciliated cells. Pathologic classification is unreliable and there is a need for prognostic tools. The authors used single cell sequencing to study organoid model systems derived from normal endometrial endometrium to discover novel markers specific for endometrial ciliated or secretory cells. [Abstract](#)

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Awards

2020 BCCHR Studentship and Fellowship Recipients

BC Children's Hospital Research Institute



Christine Wardell (*pictured*) is among the recipients of the 2020 BC Children's Hospital Research Institute (BCCHR) Studentships and Fellowships. These awards give exceptional trainees the opportunity to pursue leading-edge child health research projects under the supervision of BC Children's Hospital investigators. These awards are made possible through the support of BC Children's Hospital Foundation. [Read More](#)

Three Faculty of Medicine Researchers to Study Long-Term Effects of COVID-19 on Children

UBC Faculty of Medicine



Dr. Michael Kobor, Dr. Brett Finlay, and Dr. Sara Mostafavi (*pictured*) from UBC are part of a cross-disciplinary team that has received funding from the Manulife CIFAR Population Health & Well-Being Grant Program. The grant provides funding for Canadian Institute for Advanced Research (CIFAR) program members to study various social, behavioural, and public health-related aspects of COVID-19. [Read More](#)

Canadian Glycomics Network Investing \$3.9 Million in Collaborative Projects to Address Research Gaps in Canadian Healthcare

Canadian Glycomics Network (GlycoNet)



The Canadian Glycomics Network (GlycoNet) has awarded \$3.9 million in grant funding to 11 collaborative research projects. The fund will support a wide range of multidisciplinary research teams across 17 Canadian research institutions. Dr. Harry Brumer (*pictured*) from UBC will be leading a project to develop next-generation GlycoCaged drugs to treat enteric inflammatory diseases in humans and livestock. [Read More](#)

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Local News

Blood Test Could Prevent COVID-19 Patients from Getting Sicker

Providence Health Care



Researchers from St. Paul's Hospital, led by Dr. Mari DeMarco (*pictured*), are developing a blood test to identify people at risk of getting seriously ill after a COVID-19 diagnosis so they can receive care to prevent them from getting sicker. The diagnostic's findings could also support public health in marshalling appropriate resources to where they're needed most. [Read More](#)

In Memory of Dr. Susanne Michelle Clee

UBC Life Sciences Institute



Dr. Susanne Clee (*pictured*) dedicated her life's work to uncovering the physiological mechanisms by which genes influenced the risk of diabetes, obesity and cardiovascular disease. Her sudden death from a heart attack was unexpected and shocking. She will be remembered as a warm and generous individual, willing to volunteer for anything and with a dry sense of humour that would catch you by surprise. [Read More](#)

Hear from Three Leaders on the Lab2Launch Venture Building Stream

entrepreneurship@UBC



This special episode of Entrepreneurship at UBC's podcast *evolution* highlights varying perspectives on building a research based venture through their Lab2Launch stream. All integral to the ecosystem and the program at large, hear from Sean Lumb, Associate Director of Lab2Launch, Spence Macdonald, co-founder of venture ABOzymes, and mentor Dr. Geoff Houlton, as they share their unique experiences and insights as part of the Lab2Launch community. [Read More](#)

Inspirational Women in Stem and Tech: "Beware of Finish Lines, and the Importance You Attribute to Achieving a Goal" with Dr. Carolina Tropini

Medium



Dr. Carolina Tropini (*pictured*) was interviewed as a part of *Medium's* series "Lessons From Inspirational Women in STEM and Tech". Dr. Tropini is an Assistant Professor at UBC in the Department of Microbiology and Immunology and the School of Biomedical Engineering. Her lab is investigating how the microbes that live in the gut affect our health during altered nutrition or concurrent with disease. [Read More](#)

Ucp1 and Oxphos Proteins Altered by Circulating Insulin and Diet: New Study

UBC Life Sciences Institute



Insulin sends strong signals to the body to store fat in a range of tissues. Too much insulin circulating in the bloodstream is known to lead to accumulation of adipose tissue. Dr. J. Diego Bottezelli, Dr. Jim Johnson (*pictured*) and colleagues at UBC investigated the effects of genetically reducing insulin production on uncoupling and oxidative mitochondrial proteins in liver, skeletal muscle, white adipose tissue, and brown adipose tissue. [Read More](#)

The Loewen Lab Develops Sentinel Interaction Mapping – A Yeast-Based System for Functional Genetics of Human Disease-Causing Variants

UBC Life Sciences Institute



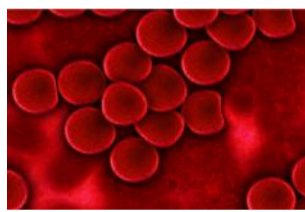
Advances in sequencing technology have led to an explosion in the number of known genetic variants of human genes. Dr. Christopher Loewen (*pictured*) and colleagues from the UBC Department of Cellular and Physiological Sciences have used a generic approach using the yeast *Saccharomyces cerevisiae* to quickly develop gene-specific *in vivo* assays that can be used to quantify the level of function of a genetic variant. [Read More](#)

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Interesting Articles

Government of Canada Invests \$5.7M in New Research Network to Study Deadly Blood Infections

Canadian Institutes of Health Research



An investment of \$5.7 million from the Government of Canada, through the Canadian Institutes of Health Research, will support Sepsis Canada, a new national research network that will improve the treatment and recovery of sepsis patients. Sepsis Canada brings together 190 clinicians, scientists, and patients representatives across the country. [Read More](#)

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 **Upcoming Events in Vancouver**

August 5 9:00 AM	Webinar: Impact of SARS-CoV-2 Infection on the Central Nervous System Online
August 12 2:00 PM	Women's Health Research Institute Summer Social Media Series Online
August 13 10:00 AM	Centre for Blood Research (CBR) Research Day Online
August 14-16 8:00 AM	SciComm 2020 Online
September 9 8:00 AM	2020 Virtual Norman Bethune Symposium Online

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 **Science Jobs in Vancouver**

- Associate Scientist, Oncology**
Zymeworks
- Senior Scientist, Protein Technologies Team Lead**
Amgen
- Manager, Infectious Disease Research Platform**
UBC Facility for Infectious Disease and Epidemic Research
- Computational Biologist, Analysis**
Canada's Michael Smith Genome Sciences Centre at BC Cancer
- Associate Research Scientist, Antigen Production**
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