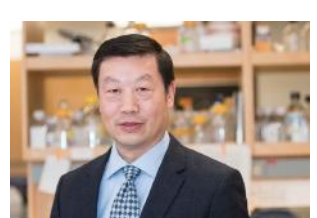


Publications of the Week

Identification of Alzheimer's Disease-Associated Rare Coding Variants in the ECE2 Gene

First Author: Xinxin Liao | Senior Author: Weihong Song (pictured)  
JCI Insight | UBC



Accumulation of amyloid  $\beta$  protein due to increased generation and/or impaired degradation plays an important role in Alzheimer's disease (AD) pathogenesis. The authors describe the identification of rare coding mutations in the endothelin-converting enzyme 2 (*ECE2*) gene in one late-onset AD family, and additional case-control cohort analysis indicated *ECE2* variants associated with the risk of developing AD. **Abstract**

Cross-Species Complementation of Nonessential Yeast Genes Establishes Platforms for Testing Inhibitors of Human Proteins

First Author: Akil Hamza | Senior Author: Philip Hieter (pictured)  
Genetics | Michael Smith Laboratories



Humanized yeast can be used as an *in vivo* platform to screen for chemical inhibition of human protein drug targets. The authors report the systematic complementation of nonessential yeast genes implicated in chromosome instability (CIN) with their human homologs. They identified 20 human-yeast complementation pairs that are replaceable in 44 assays that test rescue of chemical sensitivity and/or CIN defects. **Abstract**

[View All Publications](#)

Awards

Faculty Members Receive Funding to Advance Stem Cell Research

UBC Faculty of Medicine



Three UBC Faculty of Medicine researchers — Drs. Zachary Laksman (pictured), Bruce Verchere and Tim Kieffer — have collectively received more than \$1.6M from the Stem Cell Network (SCN) to advance their work in stem cell and regenerative medicine research. The SCN investment, which will advance research collaborations across the country, aims to translate stem cell-based therapies from bench to bedside for the benefit of all Canadians. **Read More**

MECH Student Receives Geyer Family Award in Biomedical Engineering

UBC School of Biomedical Engineering



Julia Hudea (pictured), a fourth-year student in the UBC mechanical engineering program's biomedical concentration, has been awarded the Geyer Family Award in Biomedical Engineering. The award is curated by the UBC School of Biomedical Engineering and recognizes biomedical engineering undergraduate students "with an entrepreneurial spirit, an interest in the local biomedical engineering industry and demonstrated leadership and communication skills." **Read More**

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Local News

Vancouver Prostate Centre Closing In on Finding Made-in-BC COVID-19 Treatment

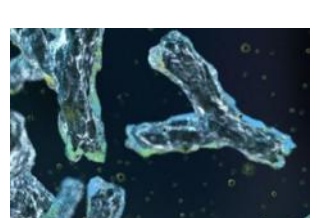
Vancouver Prostate Centre



An artificial intelligence platform used to develop precision oncology drugs at the Vancouver Prostate Centre has been repurposed to shave significant time off the process of finding a cure for COVID-19. Developed by Dr. Artem Cherkasov's (pictured) group, researchers at the Centre are optimistic that their novel work will provide a list of potential treatment options within a matter of weeks, once they secure the funding needed to do more screening and testing. **Read More**

AbCellera and Lilly to Co-Develop Antibody Therapies for the Treatment of COVID-19

AbCellera



AbCellera and Eli Lilly and Company have announced that they have entered into an agreement to co-develop antibody products for the treatment and prevention of COVID-19, the disease caused by the SARS-CoV-2 novel coronavirus. The collaboration will leverage AbCellera's rapid pandemic response platform and Lilly's global capabilities for rapid development, manufacturing and distribution of therapeutic antibodies. **Read More**

New Faculty Member Elitza Tocheva Shares the Vast Possibilities of a Career in Science

UBC Microbiology & Immunology



There are some things in life that often seem impossible while in the midst of doing it all: teaching a complicated subject, finding the right career that supports your research goals, and balancing your life, career and family. But Dr. Elitza Tocheva (pictured), a newly recruited Assistant Professor in the Department of Microbiology and Immunology at UBC, shares that no matter where you end up in your career, you never stop learning. **Read More**

Meet Three Canadian Scientists on the Front Lines of the Coronavirus Fight

The Star



Canadian researchers across the country have received funding to help spur their fight against a global pandemic. As nations grapple with the spread of COVID-19, work is underway to diagnose and treat the novel coronavirus, to limit its scope and to effectively deal with its fallout. The Star spoke to three Canadian researchers, including Dr. Srinivas Murthy (pictured) from UBC Medicine, who are each doing their part. **Read More**

Antivirals Saved People from AIDS, So Can They Help with COVID-19?

CBC News



Back in 2005, activists backed by the Executive Director of the BC Centre for Excellence in HIV/AIDS, Dr. Julio Montaner (pictured), lobbied for access to experimental drugs in the hopes they would save those on death's doorstep. Vaccines work to prevent some viruses, but don't help those already infected. Now, Vancouver researchers are searching for substances that could be effective antivirals against COVID-19. **Read More**

The CBR Outreach Program: Inspiring Generations through Science

Centre for Blood Research



At the Centre for Blood Research (CBR), a team of dedicated trainees who are passionate about sharing science with others have the unique opportunity to do just that, through the CBR's Outreach program. Outreach Team members can get involved in many exciting activities, including the CBR Blood Labs Program, CBR facility tours, and more. Want to learn more about these events and how members of the team are inspiring others through science? Read on! **Read More**

Podcast Episode 5 "Diabetes: From Beta Cells to Bicycles"

BC Diabetes Research Network



In the latest episode of the "Diabetes: From Beta Cells to Bicycles" podcast, host Krista Lamb is joined by BC Diabetes Research Network researcher and UBC Professor Dr. Robert Boushel (pictured), whose research focuses on the effects of exercise on diabetes and other metabolic syndromes. He describes his systems-wide approach to exercise research, and the recent studies indicating that exercise can lead to the remission of type 2 diabetes in adults. **Read More**

Algenon Scales up Manufacturing of NP-120 (Ifenprodil) to Prepare for Coronavirus and Acute Lung Injury US Clinical Trials

Algenon Pharmaceuticals Inc. via GlobeNewswire



Algenon Pharmaceuticals Inc., a Vancouver-based clinical stage pharmaceutical development company, has announced that it has made the decision to begin production of NP-120 (Ifenprodil) with a new injectable and long acting oral release formulation, in order to be prepared for new US clinical trials for COVID-19 and acute lung injury. **Read More**

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Interesting Articles

Office of the Chief Science Advisor's Youth Council

Government of Canada



Canada's Chief Science Advisor, Dr. Mona Nemer (pictured), was thrilled to receive 1,115 applications for her inaugural Youth Council. Of these, 20 have been selected from across the country. There is great enthusiasm among Canada's youth population towards science and an eagerness to contribute to shaping the country's science landscape. **Read More**

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Upcoming Events in Vancouver

March 24 7:00 PM	COVID-19 Livestream: Connect with Experts Online
March 25 12:00 PM	COVID-19, the BC-CfE Response Online
March 25 12:00 PM	Lunch and Learn: Building Your Founding Team Online
March 27 12:00 PM	Measuring the Quality of Patient Engagement as Partners on Research Projects Online
March 28 12:00 PM and 7:00 PM	Virtual Geeky Open Mic Online

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STEMCELL Jobs in Vancouver

- Scientist, Particle Chemistry  
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- Field Applications Specialist  
STEMCELL Technologies
- Customer Service Representative  
STEMCELL Technologies
- Supervisor, Quality Control  
STEMCELL Technologies
- Executive Assistant, Research and Development  
STEMCELL Technologies

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Other Science Jobs in Vancouver

- Scientist/Senior Scientist, *In Vivo* Pharmacology  
Chinook Therapeutics
- Scientist, Product Development  
Precision NanoSystems
- Strategic Planning & Operations Manager  
Amgen
- Research Associate II, Oncology  
Zymeworks
- Bioinformatics Programmer/Specialist  
BC Children's Hospital Research Institute

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**hPSC MAINTENANCE AND BANKING**  
Webinar by Dr. Teneille Ludwig




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