

Publications of the Week

Extracellular Signal-Regulated Kinase Mediates Chromatin Rewiring and Lineage Transformation in Lung Cancer

First author: Yusuke Inoue | Senior Author: William Lockwood *(pictured)*
eLife | BC Cancer



Lineage transformation between lung cancer subtypes is a poorly understood phenomenon associated with resistance to treatment and poor patient outcomes. The authors aimed to model this transition to define underlying biological mechanisms and identify potential avenues for therapeutic intervention. Small cell lung cancer (SCLC) is neuroendocrine in identity and, in contrast to non-SCLC, rarely contains mutations that drive the MAPK pathway. [Abstract](#)

Turmeric and Its Bioactive Constituents Trigger Cell Signalling Mechanisms That Protect against Diabetes and Cardiovascular Diseases

First Author: Huiying Amelle Zhang | Senior Author: David Kitts *(pictured)*
Molecular and Cellular Biochemistry | UBC



Turmeric, the rhizome of *Curcuma longa* plant belonging to the ginger family Zingiberaceae, has a history in Ayurvedic and traditional Chinese medicine for treatment of chronic diseases, including metabolic and cardiovascular diseases. While the chemical composition of turmeric is complex, curcuminoids and essential oils are known as two major groups that display bioactive properties. [Abstract](#)

[View All Publications](#)

Awards

Ginny Pichler Receives a 2021 Friedman Award for Scholars in Health

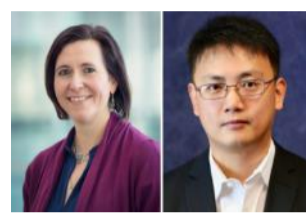
Life Sciences Institute



Virginia (Ginny) Pichler, a doctoral student in Microbiology and Immunology, is one of 16 graduate students and medical residents doing research in the field of health to receive this year's Friedman Award for Scholars in Health. The Friedman Award for Scholars in Health supports learning and research opportunities for graduate students or medical residents working in the broad area of health, to bring new perspectives to their education and further their career. [Read More](#)

Winners of 2021 DMCBH Innovation Fund Kickstart Research Grant Announced

Djavad Mowafaghian Centre for Brain Health



The Djavad Mowafaghian Centre for Brain Health (DMCBH) Innovation Fund Kickstart Research Grant is intended to help kick-start new research collaborations, directions, and technological developments. Drs. Catharine Winstanley *(pictured, left)* and Tao Huan *(right)* will apply metabolomics to explore the origins of sex differences in risk-taking caused by D2/3 agonists. [Read More](#)

UBC Science Researchers Receive \$7 Million in NSERC funding

UBC Science



Thirty-three UBC Science faculty members, including Dr. Cara Haney *(pictured)*, received a total of \$7 million in Natural Sciences and Engineering Research Council of Canada (NSERC) Discovery Grants to support long-term research goals for individual researchers for up to five years. This comes from a total of 85 projects across UBC awarded for \$16.9 million. [Read More](#)

Congratulations to the Recipients of the 2021 Outstanding Achievement Awards

BC Children's Hospital Research Institute



BC Children's Hospital Research Institute is pleased to congratulate the recipients of the 2021 Outstanding Achievement Awards. The Outstanding Achievement Awards recognize trainee achievements in research aimed at improving the health and well-being of children and families. This year's recipients include Emma Finlayson-Trick *(pictured)* from the Goldfarb and Karakochnik research teams. [Read More](#)

Fifteen New and Renewed UBC Research Chairs Announced

UBC Research & Innovation



The Canada Research Chairs Program enables Canadian universities to achieve the highest levels of research excellence and become world-class research centres. The 15 new and renewed UBC chairholders being announced represent an investment of \$12.3 million through the Canada Research Chairs program. New chairholders include Dr. Amina Zoubeidi *(pictured)* in the Department of Urological Sciences. [Read More](#)

[View All Featured Awards](#) | [View Monthly Award Summaries](#)

Local News

New Study Finds Contaminants in Many Generic Drugs May Have Harmful Effects

UBC News



Contaminants in generic medications used to treat conditions like diabetes, heart disease, stomachaches, and heartburn may cause damage to DNA, affect basic cell functions and even increase a person's risk of cancer, according to a new UBC study. "What we don't expect is that our medicine cabinet may be full of toxins that can actually make us sick — or kill us," says Dr. Corey Nislow *(pictured)*. [Read More](#)

Meet the Canadian Scientist Who Paved the Way for Groundbreaking mRNA COVID Vaccines

CBC Radio



One of the breakout vaccine technologies of this pandemic is the mRNA vaccines developed by Pfizer-BioNTech and Moderna. Those were some of the earliest vaccines out of the gate because of how easy they are to create. They also work incredibly well. Delivering these vaccines into our bodies would not have been possible without the work of Dr. Pieter Cullis *(pictured)*, a Professor of Biochemistry and Molecular Biology at UBC. [Read More](#)

COVID-19 Research Journeys: Outcomes and Impacts One Year Later

The Michael Smith Foundation for Health Research



Recipients of the inaugural Michael Smith Foundation for Health Research COVID-19 Research Response Fund were announced one year ago and since then, the awardees have made significant impacts and evidence-informed contributions to BC's COVID-19 pandemic response. Dr. Mari DeMarco's *(pictured)* team sought to create a blood test that uses only a drop of blood to provide insight on whether a person would get very sick or easily fight off the virus. [Read More](#)

Podcast Diabetes: From Beta Cells to Bicycles – Dr. Francis Lynn

BC Diabetes Research Network



Podcast host Krista Lamb is joined by BC Diabetes Research Network researcher Dr. Francis Lynn *(pictured)*. Dr. Lynn is an Associate Professor in the Department of Surgery and the School of Biomedical Engineering at UBC. In this episode, he and host Krista discuss his research working with beta cells and stem cells in the search for improved treatments for diabetes. [Read More](#)

[View All Articles](#) | [Submit an Article](#)

Upcoming Events in Vancouver

June 22 12:00 PM	How Research and Innovation Drive the Food Industry Online
June 23 11:00 AM	Medical Innovations: Where Is Technology Leading Us? Online
June 24 4:00 PM	McCarthy Spotlight Speaking Series: How Digital Health Is Transforming Health Care Online
June 29 9:00 AM	Patients as Partners in Research Online
June 30 12:00 PM	TI Methods Speaker Series: How to Improve Clinical Trial Reporting Online

[View All Events](#) | [Submit an Event](#)

STEMCELL Jobs in Vancouver

- Digital Marketing Specialist**
STEMCELL Technologies
- Senior Process Development Scientist**
STEMCELL Technologies
- Research Associate, Mesenchymal Stromal Cells**
STEMCELL Technologies
- Research Associate, Molecular Biology**
STEMCELL Technologies
- Program Associate, Marketing Change Control**
STEMCELL Technologies

[View 65 Other STEMCELL Jobs](#)

Other Science Jobs in Vancouver

- Research Scientist, Primary Cell Culture**
AbCellera
- Grant and Science Writer**
UBC
- Bioinformatician**
Canexia Health
- Research Assistant 2, Medical Oncology**
BC Cancer
- Program & Fund Development Coordinator**
Providence Health Care Research Institute

[View 51 Other Science Jobs](#) | [Submit a Job](#)

Organoid News: Keep current with the latest in organoid research. [SUBSCRIBE NOW](#)

Submit your articles and events by reaching out to us at info@scienceinvancouver.com.

BROUGHT TO YOU BY



- STEMCELL Technologies**
Products | Services
- STEMCELL Science News**
Free Weekly Updates on Your Field
- The Stem Cell Podcast**
Interviews and Updates on Stem Cell Science