

Publications of the Week

Hyperinsulinemia Acts via Acinar Insulin Receptors to Initiate Pancreatic Cancer by Increasing Digestive Enzyme Production and Inflammation

First Author: Anni Zhang | Senior Author: James Johnson and Janel Kopp *(pictured)*
Cell Metabolism | UBC



The rising pancreatic cancer incidence due to obesity and type 2 diabetes is closely tied to hyperinsulinemia, an independent cancer risk factor. Here, researchers demonstrate that insulin receptors in KrasG12D-expressing pancreatic acinar cells are dispensable for glucose homeostasis but necessary for hyperinsulinemia-driven pancreatic intraepithelial neoplasia formation in the context of diet-induced hyperinsulinemia and obesity. [Abstract](#) | [Press Release](#)

Subclonal p53 Immunostaining in the Diagnosis of Endometrial Carcinoma Molecular Subtype

First Author: Jutta Huvila | Senior Author: Amy Jamieson *(pictured)*
Histopathology | UBC



The significance of subclonal expression of p53 is not well understood and the arbitrary diagnostic cut-off of 10% between no specific molecular profile and p53-abnormal molecular subtypes of endometrial carcinoma (EC) has not been critically assessed. The aim of the study was to characterize subclonal p53 and discrepant p53 expression/TP53 sequencing results in EC and assess their clinical significance. [Abstract](#)

Semaphorin 3C Promotes De Novo Steroidogenesis in Prostate Cancer Cells

First Author: Parvin Yenki | Senior Author: Christopher Ong *(pictured)*
Endocrine-Related Cancer | The Vancouver Prostate Centre and UBC



Intratumoral androgen biosynthesis contributes to castration-resistant prostate cancer progression in patients treated with androgen deprivation therapy. Here, researchers show that semaphorin 3C, a secreted signaling protein that is highly expressed in castration-resistant prostate cancer, can promote steroidogenesis by altering the expression profile of key steroidogenic enzymes. [Abstract](#)

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Awards

Dr. Chris Overall Among UBC's 2023 Distinguished University Scholars

UBC Faculty of Dentistry



The Faculty of Dentistry proudly announced that Dr. Chris Overall *(pictured)* has been honoured as a Distinguished University Scholar at UBC for 2023. Dr. Overall is the first faculty member from Dentistry to receive this distinction. Dr. Overall will receive \$20,000 in research operating funds and \$100,000 in stipend support for April 1st 2024 to March 31st 2029. [Read More](#)

SFU Science Recognizes 2023 Outreach Awards Recipients

SFU



SFU Faculty of Science is proud to announce the 2023 recipients of the Excellence in Science Public Engagement and Outreach Awards. These annual awards recognize SFU faculty, staff, and students who dedicate their time to communicating scientific research to the public and policymakers, through a diverse range of outreach activities. Among the awardees is Dr. Lynee Quarmby *(pictured)* from the Faculty of Molecular Biology and Biochemistry. [Read More](#)

Dr. Emily Bordeleau Is Awarded the Killam Postdoctoral Research Fellowship

UBC Michael Smith Laboratories



Dr. Emily Bordeleau *(pictured)* has been awarded the Killam Postdoctoral Research Fellowship. Dr. Bordeleau, a Postdoctoral Fellow in the Tokuriki lab, is an exceptional biochemistry and molecular biology researcher with a focus on a holistic exploration of antibiotic resistance. The prestigious Killam Postdoctoral Research Fellowship is awarded to up to five outstanding scholars across UBC each year. [Read More](#)

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Local News

New Study Shows Pathogenic Bacteria Use a Sugar in the Intestinal Mucus Layer to Infect the Gut

BC Children's Hospital



Children's immature immune systems make them more susceptible to gut bacterial infections. More and more kids are being diagnosed with inflammatory bowel disease, a chronic disease linked to gut bacteria. These are two of the reasons why BC Children's Hospital Investigator Dr. Bruce Vallance *(pictured)* and his research team study how pathogenic bacteria expand within the gut and cause disease. [Read More](#)

Where Are They Now – Past Neuroscience Graduates

Djavad Mowafaghian Centre for Brain Health



Alumni of the UBC Graduate Program in Neuroscience embark on diverse career paths, spanning academia, clinical practice, industry, and beyond. Hear from two of their Neuroscience program graduates, including Dr. Elisa York *(pictured)*, who continued in academia to learn about their current career destinations and how their experiences in the program paved the way for their success. [Read More](#)

Leonard Daniels, Alex LaPlante, Thao Pham, and Mario Pinto to Join Mitacs Board of Directors

Mitacs



Mitacs is pleased to welcome four celebrated leaders in Canadian innovation to join their esteemed Board of Directors. The new Directors bring extensive experience in AI, enterprise transformation, public policy, research commercialization, and human resource expertise. The new Directors, Leonard Daniels, Dr. Alex LaPlante, Thao Pham, and Dr. Mario Pinto, were appointed on October 31st. [Read More](#)

Expert Advisory Panel Appointed to Support B.C.'s Ten-Year Cancer Strategy

BC Cancer



The Ministry of Health and the Provincial Health Services Authority have appointed a new expert advisory panel and primary leader to ensure BC Cancer has the best governance structures and accountability measures in place to achieve the goals set by the Province's ten-year action plan. Dr. Kim Chi *(pictured)*, Chief Medical Officer for BC Cancer, will take on primary leadership of BC Cancer as Executive Vice President and Chief Medical Officer. [Read More](#)

Learning More About How Flu Strains Evolved May Help Guide Future Vaccine Development

SFU News



Simon Fraser University researchers studying the evolutionary history of flu viruses have found that a new quantitative analysis of how they evolved may help predict future strains. The research draws on a field known as phylogenetics, which focuses on how groups of organisms are evolutionarily related, and is published in the journal *Science Advances*. [Read More](#)

AbCellera Presents New Data on Two T-Cell Engager Programs at SITC 2023

BusinessWire



AbCellera presented new data on its T-cell engager (TCE) programs in two poster presentations at the Society for Immunotherapy of Cancer (SITC) 38th Annual Meeting. The data illustrate how AbCellera is leveraging its TCE platform to discover and develop immuno-oncology therapeutics for multiple tumor targets. [Read More](#)

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Upcoming Events in Vancouver

- November 16 7:00 PM **The Story Collider**
Fox Cabaret
- November 16-18 8:30 AM **BC Cancer Summit 2023**
Sheraton Vancouver Wall Centre & Online
- November 17 6:00 PM **Building Biotech 2023**
UBC Robson Square
- November 21 12:00 PM **Navigating the Biomedical Job Market: Understanding Industry Demands and How to Position Oneself for Success**
Online
- November 28 8:00 AM **Clinical Trials BC Symposium 2023: Approaches for Accessible Clinical Trials**
Jack Poole Hal

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STEMCELL Jobs in Vancouver

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STEMCELL Technologies
- Associate Lab Manager**
STEMCELL Technologies
- Scientific Marketing Manager, Cell Therapy**
STEMCELL Technologies
- Quality Control Analyst**
STEMCELL Technologies
- Scientist, Mesenchymal Cells**
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Other Science Jobs in Vancouver

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UBC
- Educator Programs Manager**
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- Science Designer**
BioRender
- Senior Scientist, Formulation**
NanoVation Therapeutics
- Associate I**
EVONIK Vancouver Laboratories

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