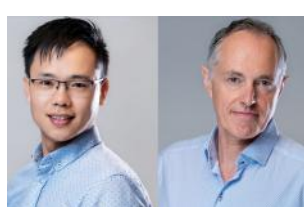


Publications of the Week

### A MYCN-Independent Mechanism Mediating Secretome Reprogramming and Metastasis in MYCN-Amplified Neuroblastoma

First Author: Hai-Feng Zhang (*pictured, left*) | Senior Author: Poul Sorensen (*right*)  
 Science Advances | BC Cancer Agency, Michael Smith Genome Sciences Centre, Vancouver Prostate Centre, and UBC



MYCN amplification (MNA) is a defining feature of high-risk neuroblastoma (NB) and predicts poor prognosis. However, whether genes within or in close proximity to the MYCN amplicon also contribute to MNA<sup>+</sup> NB remains poorly understood. Here, researchers identify that GREB1, a transcription factor encoding gene neighboring the MYCN locus, is frequently coexpressed with MYCN and promotes cell survival in MNA<sup>+</sup> NB. [Profile](#) | [Abstract](#) | [Press Release](#)

### DNA-GPS: A Theoretical Framework for Optics-Free Spatial Genomics and Synthesis of Current Methods

First Author: Laura Greenstreet (*pictured*) | Senior Author: Geoffrey Schiebinger  
 Cell Systems | UBC



While single-cell sequencing technologies provide unprecedented insights into genomic profiles at the cellular level, they lose the spatial context of cells. In this paper, researchers propose DNA-GPS (global positioning system), a theoretical framework for large-scale optics-free spatial genomics that combines ideas from mathematical cartography and positional indexing. [Abstract](#)

[View All Publications](#) 

Awards

### BC Cancer Scientist Dr. Ly Vu Named Canada Research Chair

BC Cancer Terry Fox Laboratory



BC Cancer scientist Dr. Ly Vu (*pictured*) was named one of Canada's new Research Chairs in RNA biology in Hematological Malignancies. Originally from Vietnam, Dr. Vu is a scientist at the Terry Fox Laboratory, BC Cancer and an Assistant Professor at the Faculty of Pharmaceutical Sciences at the University of British Columbia. [Read More](#)

### Seven Faculty Members Inducted as Fellows of the Canadian Academy of Health Sciences

UBC Faculty of Medicine



Seven members of the UBC Faculty of Medicine, including Dr. Neery Gupta (*pictured*), are among forty-eight new Fellows elected into the Canadian Academy of Health Sciences for 2023. Election to Fellowship in the Academy is considered one of the highest honours for individuals in the Canadian health sciences community. [Read More](#)

### Two FHS Post-doctoral Fellows Receive Michael Smith Awards

SFU Faculty of Health Sciences (FHS)



Michael Smith Health Research BC announced that two Faculty of Health Sciences postdoctoral fellows are receiving Research Trainee awards in 2023. Congratulations to Dr. Francis Mwimanzi (*pictured*) and Dr. Sian Tsuei. Dr. Mwimanzi will use his award to conduct in-depth analyses of immune responses to COVID-19 vaccines and SARS-CoV-2 infection. [Read More](#)

### Dr. Peter Zandstra to Be Awarded First Ever Scientific Entrepreneurship Award from Life Sciences British Columbia

UBC School of Biomedical Engineering



Congratulations to Dr. Peter Zandstra (*pictured*) for receiving the first ever Scientific Entrepreneurship Award from Life Sciences BC. The award honours a remarkable scientific entrepreneur from one of B.C.'s research or scientific institutions that has advanced health innovations and significantly enriched the dynamic ecosystem. [Read More](#)

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Local News

### Genes, Pain and Medication: Q&A with Dr. Catrina Loucks

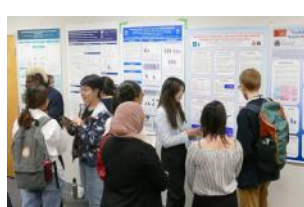
BC Children's Hospital



For some children with cancer, the most painful part of their journey is when they start receiving life-saving treatment. To improve their care, it's essential to understand why pain can be more intense in some kids than others, and how pain medications can potentially cause harmful reactions. Dr. Catrina Loucks (*pictured*) is studying genes related to how children experience pain. [Read More](#)

### Heart Lung Innovation 2023 Research Day Recap

Heart Lung Innovation (HLI)



Each summer, HLI welcomes undergraduate, co-op, and high school students to explore cardiovascular and pulmonary research. For many students, this program provides an invaluable first-time opportunity to learn practical laboratory techniques and to take a first step toward a career as a scientist. Towards the end of the summer period, students are given an opportunity to showcase their novel research in front of a scientific and general audience. [Read More](#)

### Suzanne Gill: Unlocking Economic Growth Through Partnership

Business In Vancouver



Suzanne Gill (*pictured*) elaborates on how genomics is at the forefront of modern advancements in medicine and life sciences. Genomic research is tackling some of our most significant challenges – from human health to climate change. In this dynamic ecosystem, B.C. has emerged as a world leader in genomics where innovative life sciences companies are providing solutions, societal benefits, well-paying jobs, and sustainable economic growth. [Read More](#)

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Interesting Articles

### New Agreement Fosters Canada-Taiwan Research Collaboration

Mitacs



For the first time, Mitacs and the National Applied Research Laboratories of Taiwan (NARLabs) are announcing a three-year agreement that aims to cultivate talent by creating opportunities for international research collaborations for Canadian and Taiwanese students and postdoctoral fellows. Up to 30 senior undergraduate, graduate students, and postdoctoral fellows from each country will have a chance to work on advance research projects abroad for 12 to 24 weeks. [Read More](#)


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### Upcoming Events in Vancouver



- October 2 - 4  
8:00 AM **Healthcare Summit: The Future of Innovation, Personalized Medicine and Genomics**  
Coast Coal Harbour Hotel
- October 11  
12:00 PM **Medical Device Regulations and Guidelines**  
Online
- October 12  
5:00 PM **Health Innovation Series**  
Scotiabank Theatre
- October 13  
9:00 AM **CMMT Research Day**  
Chan Auditorium
- October 26  
6:30 PM **After Dark: Mystery**  
Science World

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### STEMCELL Jobs in Vancouver

- Scientific Marketing Specialist, Immunology**  
STEMCELL Technologies
  - Director, Quality Assurance**  
STEMCELL Technologies
  - Manager, Scientific Marketing, Immunology and Routine Diagnostics**  
STEMCELL Technologies
  - Technical Writer**  
STEMCELL Technologies
  - Technical Scientist**  
STEMCELL Technologies
- [View 32 Other STEMCELL Jobs](#) 

### Other Science Jobs in Vancouver

- Assistant Professor of Vaccinology**  
UBC
  - Research Grants Officer**  
SFU
  - Research Technician, Analytics & Mass Spectrometry**  
AbCellera
  - Lab Manager**  
Acuitas Therapeutics
  - Senior Associate or Associate Scientist, Experimental Immunology**  
Amgen
- [View 47 Other Science Jobs](#)  | [Submit a Job](#) 

**Eight Tips on Mentoring New Lab Members**



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