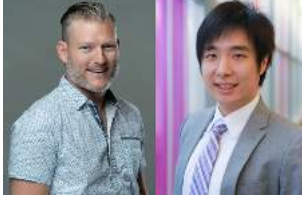


Publications of the Week

Drug Tolerance and Persistence to EGFR Inhibitor Treatment Are Mediated by an ILK-SFK-YAP Signaling Axis in Lung Adenocarcinoma

First Author: Rocky Shi (*pictured, right*) | Senior Author: William Lockwood (*left*)
Oncogene | BC Cancer Research Institute and UBC



Combating resistance to targeted therapy remains a major challenge to improving lung cancer care. Epithelial-mesenchymal transition (EMT) in tumour cells is an established non-genetic resistance mechanism to EGFR tyrosine kinase inhibitors (TKI). Here, researchers demonstrate that integrin-linked kinase is an important driver of EMT-mediated TKI resistance in lung adenocarcinoma by promoting a drug-tolerant persister cell phenotype. [Abstract](#) | [Press Release](#)

Human Milk IgA Promotes Normal Immune Development by Limiting Th17-Inducing *Erysipelatoclostridium ramosum* in the Infant Gut

First Author: Katherine Donald (*pictured*) | Senior Author: Brett Finlay
Proceedings of the National Academy of Sciences | BC Children's Hospital and UBC



The infant gut microbiota plays a vital role in immune development. Secretory IgA (SIgA) is a key modulator of microbiota composition throughout life. Maternal milk is the primary source of intestinal SIgA for the developing infant. Here, researchers characterize the microbiota reactivity of human milk SIgA, demonstrating relationships between maternal SIgA and infant gut microbiota composition.

[Abstract](#)

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Awards

Three MSL Faculty Awarded 2025 NSERC Discovery Grants

UBC Michael Smith Laboratories (MSL)



The Natural Sciences and Engineering Council of Canada (NSERC) announced today a total of \$589.7 million of research funding awarded through the Discovery Research Program. \$48.6 million of this funding will support 191 projects led by UBC researchers. 162 of these projects received individual Discovery Grants, including projects led by MSL faculty members Drs. Jörg Gsponer, Xin Li (*pictured*), and Xin Tang. [Read More](#)

DMCBH Researchers Receive Federal Funding Through 2025 NSERC Competition

Djavad Mowafaghian Centre for Brain Health (DMCBH)



The Government of Canada announced \$1.3 billion in federal research funding has been awarded. 191 new research programs and projects led by UBC researchers were awarded more than \$48.6 million through the 2025 NSERC Discovery Research Program. Among the researchers are eleven DMCBH researchers, including Dr. Mahmoud Pouladi (*pictured*) who was awarded a 2025 Discovery Grant. [Read More](#)

UBC Graduate Students and Postdoctoral Fellows Supported with Government Funding

UBC Graduate and Postdoctoral Studies



On July 9, the Government of Canada announced the award recipients of the three federal research granting agencies. More than 165 doctoral students and three postdoctoral fellows were recognized for their achievements in research at UBC, as well as 232 master's students. Among this cohort is Nikolay Alabi (*pictured*) from the Faculty of Medicine. [Read More](#)

Dr. Thibault Mayor and Collaborators Receive \$1.65 Million for Mass Spectrometry Training Program Focused on Collaboration

UBC Michael Smith Laboratories (MSL)



Dr. Thibault Mayor (*pictured*), together with a large team of collaborators including MSL's Drs. Leonard Foster and David Ng, is launching a new interdisciplinary graduate training program in mass spectrometry with a focus on teamwork. The program is supported by \$1.65 million in funding over six years, awarded through the 2025 NSERC Collaborative Research and Training Experience program.

[Read More](#)

LSI Researchers Awarded Funding Through NSERC Discovery Research Program

UBC Life Sciences Institute (LSI)



NSERC is investing \$589.7 million in 2,950 new Discovery Research Program awards — NSERC's largest investment area and a key driver of Canada's leading scientific and engineering breakthroughs. Eight LSI researchers have been awarded 2025 NSERC Discovery Research Program grants, including Dr. Vanessa Auld (*pictured*). [Read More](#)

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Local News

Unlocking a Mystery: How a Healthy Microbiome Protects Babies from Chronic Inflammation

Canadian Institutes of Health Research



Why does a sanitized environment protect us from infections but seem to increase the chances of developing chronic inflammatory diseases such as asthma and eczema? Why does exposure to some bacteria appear to make us less prone to these diseases? For years, Dr. Kelly McNagny (*pictured*) at UBC has searched for answers by studying how the microbiome — the trillions of microorganisms that mostly live in our digestive tract — influences our health. [Read More](#)

Personalized, Precise, Powerful: How BCCHR Researchers Are Changing Childhood Cancer Care

BC Children's Hospital Research Institute (BCCHR)



When a child's cancer returns after conventional treatment, families often find themselves in uncharted territory. But thanks to a remarkable collaboration between researchers, clinicians, and national research networks, new pediatric cancer treatment options are emerging. Dr. Georgina Barnabas (*pictured, left*) and Tariq Bhat (*right*) share how their research uncovered a treatment possibility for a child with a rare, difficult-to-treat cancer. [Read More](#)

BC Firms Receive \$2.8M to Test AI in Health Care

Business Intelligence for B.C.



Four BC companies have received funding to test AI-enabled solutions to improve health care in the province. Quartech Systems, Affinity Group, Novatone Consulting, and Daric Clouding Solutions were awarded \$2.83 million from Innovate BC. The fund will support testing the use of AI in pathology, including developing AI algorithms for endometrial cancer pathology at Vancouver Coastal Health. [Read More](#)

North and South Engage on Issues Surrounding HIV and Youth

SFU Faculty of Health Sciences (FHS)



SFU, SANTHE, and the Africa Health Research Institute co-hosted the annual HIV and youth intensive course entitled, "Interdisciplinary approaches to understanding the global burden of HIV and health inequities among youth in Sub-Saharan Africa." Led by Professor Robert Hogg from SFU's FHS, the programme equipped emerging scholars with the tools needed to tackle complex health challenges.

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 Upcoming Events in Vancouver

July 24 2:00 PM	The Past, Present and Future of Evidence Based Medicine St. Paul's Hospital
August 14 12:00 PM	CBR – LSI Research Day 2025 UBC Life Sciences Centre
August 14 6:00 PM	After Dark: Sparks and Rec — Summer Party Edition Science World
August 21 5:00 PM	Beaty Nocturnal Beaty Biodiversity Museum
October 2 5:00 PM	27th Annual Life Sciences BC Awards Vancouver Convention Centre West

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 Science Jobs in Vancouver

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Research Projects Manager BC Women's Hospital & Health Centre
Senior Research Associate UBC
Technical Account Manager Leica Microsystems
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