

Publications of the Week

N-MYC Impairs Innate Immune Signaling in High-Grade Serous Ovarian Carcinoma

First Authors: Alex Miranda, Swetansu Pattnaik, and Phineas Hamilton | Senior Author: Brad Nelson *(pictured)*
 Science Advances | BC Cancer and UBC



High-grade serous ovarian cancer (HGSC) is a challenging disease, especially for patients with immunologically "cold" tumours devoid of tumour-infiltrating lymphocytes. Researchers found that HGSC exhibits among the highest levels of *MYCN* expression and transcriptional signature across human cancers, which is strongly linked to diminished features of antitumour immunity. [Abstract](#)

DNA-PK Inhibitor AZD7648 Is a More Potent Radiosensitizer than PARP Inhibitor Olaparib in BRCA1/2 Deficient Tumours

First Author: Taixiang Wang *(pictured)* | Senior Author: Andrew Minchinton
 DNA Repair | BC Cancer Research Institute



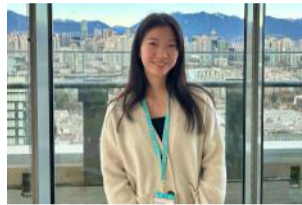
Increasing the radiosensitivity of cancers by inhibiting DNA damage repair is a goal of much current research, however success depends on avoiding concomitant sensitization of normal tissues inevitably irradiated during therapy. This study highlights the importance of creating a therapeutic ratio with DNA damage repair inhibition radiation sensitizing strategies. [Abstract](#)

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Awards

Emily Yeh Receives CIHR Canada Graduate Scholarships

BC Cancer Research Terry Fox Laboratory



BC Cancer congratulates Emily Yeh *(pictured)* from the Terry Fox Laboratory on receiving a Canada Graduate Scholarships - Master's Award from the Canadian Institutes of Health Research (CIHR). Yeh's project looks at epigenetic dysregulation and transcriptional changes associated with two SETD2 neurodevelopmental syndromes in addition to modeling the mutations in cerebral organoids. [Read More](#)

UBC Zoologist Named Fellow of the Royal Society UK

UBC Science



Dr. Sally Otto *(pictured)*, a theoretical biologist focused on fundamental questions of population genetics and evolution, has been elected to the Fellowship of the United Kingdom's Royal Society. She joins 12 other UBC Science fellows elected to the society over the past decades. Dr. Otto is a co-leader of the BC COVID-19 Modelling Group, an interdisciplinary research team that works on rapid response modelling of the virus. [Read More](#)

UBC Team Receives \$1.65M to Train a New Generation of Immunoengineers

UBC School of Biomedical Engineering



An interdisciplinary UBC team led by Dr. Peter Zandstra *(pictured, centre right)* has received \$1.65 million in federal funding to train a new generation of immunoengineers to innovate, develop, and deliver new immunoengineering technologies for commercialization. The training program, dubbed ImmunoE, will help prepare graduate students and postdoctoral fellows for the workforce to meet the needs of BC and Canada's expanding bioeconomy. [Read More](#)

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Local News

Exploring Living Innovations: Insights from Genome BC's Annual Genomics Forum 2024

Genome BC



Genome BC's Annual Genomics Forum 2024, themed "Living Innovations: BC's Path to Biological Engineering," brought together experts from diverse sectors such as life sciences, business, and industry. Kicking off the event, Suzanne Gill *(pictured)*, Genome BC's President and Chief Executive Officer, underscored the forum's theme of exploring the potential of genome engineering to tackle issues in health, bioproduct development, and conservation. [Read More](#)

Granzyme Research Supercharges Medical Advancements for Autoimmune and Age-Related Chronic Diseases

Vancouver Coastal Health Research Institute (VCHRI)



A growing body of evidence shows that the granzyme family of enzymes offer new pathways to target for the treatment of many chronic inflammatory conditions. A pioneer of granzyme research, VCHRI researcher Dr. David Granville *(pictured)* has spent almost two decades understanding the link between granzymes and our health, which he shares in a recently published review in the high-impact journal, *Nature Reviews Rheumatology*. [Read More](#)

Follow-Up Biopsies Effective at Detecting Persistent Kidney Transplant Rejection in Children

BC Renal



New evidence led by Dr. Tom Blydt-Hansen *(pictured)*, a clinical pediatric nephrologist at BC Children's Hospital, underscores the importance of conducting follow-up biopsies in children after treatment for rejection in their transplanted kidney. The results suggest that only monitoring kidney function is not sufficient in assessing whether kidney rejection is resolved. [Read More](#)

adMare BioInnovations Welcomes Five New Start-Ups in the National Tx Accelerator

adMare BioInnovations



adMare BioInnovations announced the acceptance of five therapeutics start-ups from across Canada into the adMare National Therapeutics (Tx) Accelerator. Among the five organizations are two start-ups from Vancouver — VeracityBio and SeraGene Therapeutics. The program provides scientific and business development guidance, IP and legal support, access to financial support, and networking opportunities. [Read More](#)

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Interesting Articles

NSERC Announces \$26 Million in Funding for Innovative Training Programs

Natural Sciences and Engineering Research Council of Canada (NSERC)



NSERC has announced \$26 million in funding through its Collaborative Research and Training Experience program for 2024. This investment will spur the creation of 16 innovative training programs that will facilitate the transition of new researchers from trainees to productive employees in the Canadian workforce while tackling crucial science and engineering challenges. [Read More](#)

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Upcoming Events in Vancouver

- May 29 - June 1 **ISCT 2024**
8:00 AM Vancouver Convention Centre
- May 29 - 30 **BioBasics 101: The Biology of Biotech for the Non-Scientist**
9:00 AM Oceanic Plaza
- June 4 **SBME Symposium 2024**
9:30 AM AMS Student Nest
- June 13 **Effective Science Illustrations**
11:00 AM Michael Smith Laboratories
- June 20 **Life Sciences BC Summer Social**
5:00 PM Zymeworks Office

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Science Jobs in Vancouver

- Research Assistance/Technician 2**
UBC Turvey Lab
- Coordinator Health Sciences Learning Pathways**
Douglas College
- Medical Science Liaison**
Sanofi
- Associate Scientist, Tumour Immunology**
Zymeworks
- Associate, Polymer Chemistry**
Aspect Biosystems

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