

Publications of the Week

Pulsed Photothermal Therapy of Solid Tumours as a Precondition for Immunotherapy

First Author: Negin Farivar | Senior Author: Mads Daugaard (pictured)
Small | Vancouver Prostate Centre and UBC



Photothermal therapy refers to the use of plasmonic nanoparticles to convert electromagnetic radiation in the near infrared region to heat and kill tumour cells. Here, the engineering and validation of a novel long-pulsed laser device able to induce selective and localized mild hyperthermia in tumours while reducing the heat affected zone and unwanted damage to surrounding tissue are reported.

[Abstract](#)

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Awards

The Prostate Cancer Foundation Announces 2023 Challenge Awards Totaling More than \$21 Million for Prostate Cancer Research

PR Newswire



The Prostate Cancer Foundation (PCF) announced the 2023 Class of PCF Team Challenge Award recipients and a total of more than \$21 million in funding for innovative prostate cancer research. Among this year's cohort is Dr. Alexander Wyatt (pictured) from the Vancouver Prostate Centre and Dr. Kim Chi from BC Cancer. [Read More](#)

UBC Medical Student Olivia Hunter Receives Prestigious UBC Scholarship

UBC Faculty of Medicine



Olivia Hunter (pictured), a UBC medical student, has been honoured as one of 20 Wesbrook Scholars for the 2023/2024 academic year. She is also a recipient of a Premier Undergraduate Scholarship. The scholarships are UBC's most prestigious designations and given to senior students with outstanding academic performance, leadership, and involvement in student and community activities. [Read More](#)

UBC Medicine Research Awarded \$18M from CFI, NSERC, and SSHRC

UBC Faculty of Medicine



UBC Faculty of Medicine-affiliated research projects have been awarded more than \$18 million in federal funding from the Canada Foundation for Innovation (CFI) Innovation Fund, Natural Sciences and Engineering Research Council of Canada (NSERC) Alliance Grants 2022, and Social Sciences and Research Council (SSHRC) Insight Development Grants. One of the fifteen recipients is Dr. François Bénard (pictured). [Read More](#)

SLAS Grant Advances Translation Technology for CAR-T Cell Research

The Centre for Blood Research



Samuel Berryman (pictured), a Ph.D. candidate at UBC, is the recipient of the 2023 SLAS Graduate Education Fellowship Grant. Berryman is working to overcome the limitations associated with the analysis of chimeric antigen receptor T (CAR-T) cell therapies. In the process of advancing his research objectives, Berryman invented a platform to evaluate CAR-T cells at the single-cell level. [Read More](#)

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Local News

AbCellera to Collaborate with Biogen to Discover Therapeutic Antibodies for Neurological Conditions

AbCellera



AbCellera and Biogen have entered into a strategic collaboration to discover antibodies for a novel target that enables the delivery of biotherapeutics to the brain for indications in neuroscience. According to Dr. Murray McCutcheon of AbCellera, "Delivering biologics across the blood-brain barrier is one of the most important and long-standing problems in neuroscience." [Read More](#)

Harnessing Canada's Potential in Genomics Research

The Future Economy



On the cusp of a new era, Canada has a unique opportunity to cement its position at the forefront of genomics innovation and deliver benefits and impacts to Canadians and the world. Dr. Suzanne Gill (pictured) of Genome BC shares her insights into how Canada will unlock the full potential of genomics research data and the change this research could have on people's lives. [Read More](#)

Government of Canada Invests Almost \$14 Million to Drive Innovation and Economic Growth in Vancouver

Life Sciences BC



The Government of Canada is making strategic investments in projects that are helping scale-up local businesses to develop and market new technologies in Vancouver. Seven local medically and clinically focused businesses and organizations will receive funding to commercialize new products, expand operations, and access global markets. [Read More](#)

Clinical Trial to Explore CBD for Bipolar Depression

The Daily Scan



Researchers at UBC's Faculty of Medicine are launching a first-of-its-kind clinical trial investigating the potential of cannabidiol (CBD) as a treatment for bipolar depression. Dr. Lakshmi Yatham (pictured) leads the new trial, which will explore whether CBD can help manage acute bipolar depression alongside primary courses of treatment. [Read More](#)

Single Molecule Imaging in the Leslie Lab

UBC Michael Smith Laboratories



Biofilm MEDIA, with support from Nikon Canada, recently met with the Michael Smith Laboratories' Dr. Sabrina Leslie (pictured) and her lab to feature their work in single molecule imaging. "We're also pushing the limit with optics to look at untethered single macromolecules. And with partners like Nikon, we are excited to be rapidly advancing the field of genomic medicines to reshape healthcare, and benefit everyone," said Dr. Leslie. [Read More](#)

Introducing Wes Peterson, Genome BC's New Vice President

Genome BC



Genome BC has announced the hiring of Wes Peterson as Vice President, Corporate Development. At Genome BC, Peterson will contribute to the management team's work, delivering cross-functional programs and initiatives. He will also lead the corporate development portfolio, nurturing and expanding strategic partnerships that propel Genome BC's mission forward. [Read More](#)

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Interesting Articles

The Government of Canada Supports Interdisciplinary Research Centres to Address Global Challenges Through the Bioeconomy

Natural Sciences and Engineering Research Council of Canada (NSERC)



The Government of Canada, through NSERC and the Social Sciences and Humanities Research Council, has joined a new edition of the US National Science Foundation-led Global Centres initiative focused on the bioeconomy. Through the 2024 competition, these new grants will support international, interdisciplinary collaborative research centres to foster cutting-edge breakthroughs in the bioeconomy. [Read More](#)

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Upcoming Events in Vancouver

- March 26
12:30 PM

CGSHE Trainee Research Symposium: Spring 2024
SFU & Online
- March 28
7:00 PM

Cities of Futures Past: Examining the Social-Ecological Legacies Affecting Urban Biodiversity and Ecosystem Health
SFU & Online
- April 8
12:00 PM

The Economic Evaluation of Precision Medicine in Diabetes: Models and Approaches
Vancouver General Hospital Research Pavilion
- April 11
8:00 PM

Science World's Science of Cocktails
Science World
- April 18
7:00 AM

Norman Bethune Symposium
UBC Robson Square

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Science Jobs in Vancouver

- Science Teaching and Learning Postdoctoral Fellow**
UBC
- Director, Faculty of Health Professional Studies**
Kwantlen Polytechnic University
- Public Affairs Leader - Mental Health and Substance Use**
Vancouver Coastal Health
- Full-Time Tenure-Track Faculty, Biology**
Trinity Western University
- Medical Science Liaison, Rare Blood Disorders**
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