

Publications of the Week

Long-Term Prevention of Biofilm Formation by Polycatechol-Based Supramolecular Assemblies with Low Molecular Weight Polymers on Surfaces

First Author: Hossein Yazdani-Ahmadabadi | Senior Author: Jayachandran Kizhakkedathu (pictured) | ACS Applied Materials & Interfaces | Centre for Blood Research, Jack Bell Research Centre, and UBC



Achievement of a stable surface coating with long-term resistance to biofilm formation remains a challenge. Researchers report a new approach based on supramolecular assembly to generate long-acting antibiofilm coating. They utilized catechol chemistry in combination with low molecular weight amphiphilic polymers for the generation of such coatings. [Abstract](#)

Surface Topography Modulates Initial Platelet Adhesion to Titanium Substrata

First Author: Cecilia Yan Guo | Senior Author: Hugh Kim (pictured) | Journal of Oral Biology and Craniofacial Research | Centre for Blood Research and UBC



The clinical success of implanted biomaterials such as dental implants is largely determined by the molecular signaling that occurs at the tissue-implant interface. Here, researchers compared platelet adhesion and secretion on four different titanium surfaces, notably, the modifications applied to commercially available dental implants. [Abstract](#)

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Awards

2024 FHS Undergraduate Awards

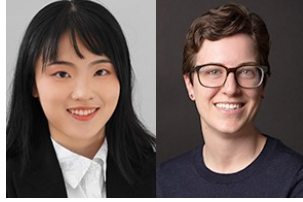
SFU Faculty of Health Sciences



SFU's Faculty of Health Sciences (FHS) has announced the 2024 FHS Undergraduate Awards. These awards highlight students that have made significant contributions to the FHS community through their research, outreach, and academic achievements. Among the eight awardees is Megan Obermayer (pictured) who earned the FHS Award for Outstanding Service to the Faculty of Health Sciences. [Read More](#)

Top Graduating Doctoral Student Award and Rising Star Award 2024 Recipients

Vancouver Coastal Health Research Institute (VCHRI)



VCHRI supports future research leaders with the Top Graduating Doctoral Student Awards and the Rising Star Awards. These awards recognize the outstanding efforts of VCHRI trainees whose pursuit of research has made them exceptional role models and significant contributors to the research community. Among the six awardees are Cristina Rubino (pictured, right) and Xueqing Zhou (left). [Read More](#)

Thirty-Six New Recipients of NMIN's Advanced Training Certification Announced

NanoMedicines Innovation Network (NMIN)



NMIN's Advanced Training Certification recognizes an individual's engagement in diverse capacity-building activities, where the learning involved goes "above and beyond" and contributes to the formation of a well-rounded professional. Thirty-six new recipients have been announced, including Dr. Ariadne Tuckmantel Bido (pictured), who is a platinum-level recipient. [Read More](#)

Life Sciences BC Announces 2024 Awards Winners

Life Sciences BC



Life Sciences BC has announced the recipients of the 26th Annual Life Sciences BC Awards presented by Farris. These awards recognize the exceptional achievements of individuals, companies, and organizations across British Columbia's life sciences sector that have successfully advanced health innovations and significantly enriched our dynamic ecosystem. Among this year's winners is Dr. Raymond Ng (pictured). [Read More](#)

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Local News

Antibiotic Failure – Beyond Antimicrobial Resistance

The Centre for Blood Research



Each year, millions of lives are lost annually to bacterial infections. While antibiotics have revolutionized medicine, improved quality of life, extended lifespans, and made complex medical procedures possible, antimicrobial resistance is on the rise. A recent review by the Hancock Lab delves into antimicrobial resistance, with topics that include contributors to antibiotic failure, how these may be alleviated by rapid diagnostics, and alternatives to antibiotics. [Read More](#)

UBC Faculty of Pharmaceutical Sciences Welcomes New Dean, Dr. Lalitha Raman-Wilms

UBC Faculty of Pharmaceutical Sciences



The UBC Faculty of Pharmaceutical Sciences is excited to announce the appointment of Dr. Lalitha Raman-Wilms (pictured) as the new Dean. Dr. Raman-Wilms comes to UBC from the University of Manitoba, where she served as Professor and Dean of the College of Pharmacy, Rady Faculty of Health Sciences. Her distinguished career includes significant leadership roles at the University of Toronto. [Read More](#)

Government of Canada Announces First-of-Its-Kind Biomanufacturing Facility in British Columbia

STEMCELL Technologies



The Honourable François-Philippe Champagne, Minister of Innovation, Science, and Industry, announced the opening of STEMCELL Technologies' state-of-the-art facility, in Burnaby, British Columbia, which has been supported through a \$22.5 million investment by the Government of Canada, matched by the Government of British Columbia. This investment has contributed to the construction of a brand new good manufacturing practices biomanufacturing facility. [Read More](#)

BC Cancer Research Institute & Advancing Health Sign MOU to Improve Provincial Clinical Trials Capacity

BC Cancer



The BC Cancer Research Institute and the Centre for Advancing Health Outcomes have signed a memorandum of understanding (MOU) that will see the two organizations work closely and collaboratively to support clinician-scientists across BC in their clinical trials research. "The goal of this partnership is to improve our provincial capacity to support academic clinical trialists," said Dr. Aslam Anis (pictured), Director of Advancing Health. [Read More](#)

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Interesting Articles

Canada Joins Horizon Europe Programme

Life Sciences BC



Canada is joining the growing group of non-EU countries who have associated with the EU's research and innovation program, Horizon Europe, and will work jointly on large-scale projects tackling our biggest challenges. Horizon Europe is the EU's key funding program for research and innovation with a budget of €93.5 billion for 2021-2027. [Read More](#)

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Upcoming Events in Vancouver

July 23 11:00 AM	Summer 2024 Visual Communication Mini-Workshop UBC & Online
July 30 - August 1 8:00 AM	International Symposium on Computer Methods in Biomechanics and Biomedical Engineering UBC
August 1 11:00 AM	Information Session Sector Innovation Program Online
August 1 6:00 PM	After Dark: Pride into the Future Science World
August 13 12:00 PM	UBC Health Data Analytics Micro-Credential Program Information Session Online

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Science Jobs in Vancouver

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- Lab Technical Assistant**
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- Medical Science Liaison, Solid Tumors**
AbbVie
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