

Publications of the Week

Flagellin-Specific Human CAR Tregs for Immune Regulation in IBD

First Author: Dominic Boardman (pictured, front row, second from left) | Senior Author: Megan Levings (front row, second from right)
Journal of Autoimmunity | BC Children's Hospital Research Institute and UBC



Regulatory T cell (Treg) therapy is a promising strategy to treat inflammatory bowel disease (IBD). Data from animal models has shown that Tregs specific for intestinal antigens are more potent than polyclonal Tregs at inhibiting colitis. The authors developed a novel chimeric antigen receptor (CAR) specific for flagellin derived from *E. coli* H18. [Profile](#) | [Abstract](#)

Pathogen-Associated Gene Discovery Workflows for Novel Antivirulence Therapeutic Development

First Authors: Wing Yin Venus Lau (pictured, left) and Patrick Taylor (right) | Senior Authors: Fiona Brinkman and Amy Lee
eBioMedicine | SFU



Novel therapeutics to manage bacterial infections are urgently needed as the impact and prevalence of antimicrobial resistance grows. The authors review current advances in antivirulence drug research and development, including pathogen-associated gene identification, and provide a comprehensive workflow from the discovery of antivirulence drug targets to drug discovery. [Abstract](#)

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Awards

Interdisciplinary Health Research Involving UBC Applied Science Awarded \$225,000

UBC Applied Science



Nine interdisciplinary research projects involving UBC Applied Science faculty are each receiving up to \$25,000 in Health Innovation Funding Investment Awards from UBC Health. Dr. Pierre Lane's (pictured) project investigates the mechanisms of respiratory impairment in people living with HIV using optical coherence tomography. [Read More](#)

Research Excellence Staff Award 2023 Recipients

Vancouver Coastal Health Research Institute



Vancouver Coastal Health Research Institute is proud to recognize the outstanding contributions of long-term research staff with this year's inaugural Research Excellence Staff Award. Dr. Femke Streijger (pictured) demonstrates exceptional leadership in her willingness to support the next generation of scientists, providing feedback on thesis projects and direction to trainees, and teaching new staff. [Read More](#)

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Local News

A New Phase in Prostate Cancer Research

Vancouver Coastal Health Research Institute



Researchers at the Vancouver Prostate Centre have discovered that prostate cancer cells use a property in the androgen receptor to enhance the production and spread of the disease. The groundbreaking study, led by Vancouver Coastal Health Research Institute researchers Drs. Nada Lalous and Joerg Gsponer (pictured), and published in *Nucleic Acids Research*, lays the foundation to investigate novel therapies to target and destroy prostate cancer. [Read More](#)

BC Sea Sponge Has COVID-Blocking Powers

UBC News



UBC researchers have identified three compounds that prevent COVID-19 infection in human cells, derived from natural sources including a BC sea sponge. "This interdisciplinary research team is unraveling the important possibilities of biodiversity and natural resources and discovering nature-based solutions for global health challenges such as COVID-19," said Dr. François Jean (pictured). [Read More](#)

An Interview with Dr. Parvin Bolourani, CBR Education Program Manager

The Centre for Blood Research



Dr. Parvin Bolourani (pictured) is the Education Program Manager at the Centre for Blood Research (CBR). She implements, coordinates, organizes, and oversees all aspects of the Centre's educational programs, including the CBR Summer Studentship Program, Graduate Award Program, professional development initiatives, outreach, and alumni engagement. [Read More](#)

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Upcoming Events in Vancouver

- January 20 8:30 AM **Life Sciences BC Career Connect Day**
Marriott Pinnacle Hotel
- January 26 8:00 AM **Global Health Conference 2023**
BC Children's Hospital Research Institute & Online
- January 26 9:30 AM **Blakes Speaking Series: Current Trends in Private and Public Finance**
Online
- January 26 4:00 PM **D.R.I.N.K.S. Vancouver**
Mahoney and Sons
- February 2 8:30 AM **Precision Health Symposium**
AMS Student Nest

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STEMCELL Jobs in Vancouver

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STEMCELL Technologies
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STEMCELL Technologies
- Customer Support Coordinator**
STEMCELL Technologies
- Instrumentation Applications Specialist**
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- Senior Scientist, Formulation**
Acuitas Therapeutics
- Communications Coordinator**
Centre for Blood Research
- Laboratory and Facilities Manager**
Aspect Biosystems
- Senior Research Associate, Biology**
Chinook Therapeutics

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