

Publications of the Week

Activity-Targeted Metaproteomics Uncovers Rare Syntrophic Bacteria Central to Anaerobic Community Metabolism

First Author: Skyler Friedline | Senior Author: Ryan Ziels *(pictured)*
Nature Microbiology | UBC



Syntrophic microbial consortia can contribute substantially to the activity of anoxic ecosystems but are often too rare to allow the study of their in situ physiologies using traditional molecular methods. Here, researchers combined bioorthogonal non-canonical amino acid tagging, stable isotope probing, and metaproteomics to improve the recovery of proteins from active members and track isotope incorporation in an anaerobic digestion community. [Abstract](#) | [Press Release](#)

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Awards

October 2025 Award Winners

Science in Vancouver



This October, many researchers from across the Greater Vancouver scientific community were recognized for their exceptional contributions and discoveries. For this month's summary, our spotlight is Dr. Nozomu Yachie *(pictured)* of UBC, who has just been renewed as a Tier 2 Canada Research Chair in Synthetic Biology. Check out the list to see all award winners. [Read More](#)

Dean Lalitha Raman-Wilms Receives Distinguished Leadership Award from India Canada Culture and Heritage Association

UBC Faculty of Pharmaceutical Sciences



Dr. Lalitha Raman-Wilms *(pictured)*, Dean of the Faculty of Pharmaceutical Sciences at UBC, has received the Distinguished Leadership Award from the India Canada Culture and Heritage Association. The association celebrates the history of settlement of people of Indian origin in Canada and their contributions to Canadian society, with aims and objectives concerning human rights and education.

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Dr. Alexander Wyatt Appointed UBC President's Excellence Chair in Precision Oncology

UBC Faculty of Medicine



Dr. Alexander Wyatt *(pictured)* has been appointed the UBC President's Excellence Chair in Precision Oncology. Dr. Wyatt is internationally recognized for his research examining how tumour DNA in the bloodstream can be used as a "liquid biopsy" to better understand and support the treatment of aggressive prostate and bladder cancers. [Read More](#)

\$14.5 Million Will Move Research in Sarcomas, Bladder Cancer and High-Risk Brain Cancer Beyond One-Size-Fits-All Cancer Care

Terry Fox Research Institute



Four research teams across Canada have received a total of \$14.5 million through the 2025 Terry Fox New Frontiers Program Project Grants (PPGs), a longstanding funding program supporting projects exploring new frontiers in cancer research. Drs. Peter Black *(pictured)*, David Huntsman, and Torsten Nielsen are among this year's PPG awardees. [Read More](#)

Advancing Health Postdoc Dr. Jacob Hutton Receives 2025 MSHRBC Awards

Centre for Advancing Health Outcomes



Each year, about 60,000 Canadians experience out-of-hospital cardiac arrests, with only one in ten people surviving without immediate help. Dr. Jacob Hutton *(pictured)* has been developing a cardiac arrest detection and alert system for consumer wearables such as smartwatches and fitness trackers, and was recently announced as the recipient of a 2025 Michael Smith Health Research Trainee Award. [Read More](#)

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Local News

Precision at the Point of Transplant

Genome BC



Every year, hundreds of British Columbians receive a second chance at life through kidney transplantation. But for many, that hope comes with lifelong immunosuppressive drugs and the risk of rejection. In BC, that's beginning to change. Led by Dr. Paul Keown *(pictured)*, a team of researchers and clinicians is implementing a genomic approach to improve transplant outcomes, using detailed genetic sequencing. [Read More](#)

Survive and Thrive: Genomics Personalizes Cancer Care for Kids

Genome BC



Led by Dr. Bruce Carleton *(pictured)*, the GO-PGx project established a national precision medicine network with a single goal: to help children with cancer not only survive but also thrive. By integrating pharmacogenomic testing into routine care, the project enabled clinicians to tailor drug therapies to a child's genetic profile, improving outcomes and reducing harmful side effects. [Read More](#)

Research Holds Out Hope for Improved Rett Syndrome Treatment

BC Children's Hospital Research Institute (BCCHR)



October is Rett Syndrome Awareness Month, a time to foster understanding about this complex neurological disorder that impacts mostly females—one in 10,000 births globally. Rett syndrome affects multiple organ systems and can lead to severe impairments that disrupt key aspects of an individual's life. "This condition is rare, but it places a heavy burden on families," says Dr. Anita Datta *(pictured)*, an investigator at BCCHR. [Read More](#)

Innovation Week Celebrates Ten Years of Science-Based Entrepreneurship

SFU



Simon Fraser University hosted its inaugural Innovation Week celebrating the innovators, researchers and students creating social and economic impact at SFU and with collaborators across Canada through the National Invention to Innovation (i2I) Network. Innovation Week kicked off with the annual i2I Innovation Pitch event where Dr. Shubha De *(pictured, centre)* won first place. [Read More](#)

One-On-One with Dr. Sharmila Anandasabapathy

UBC Faculty of Medicine



For Dr. Sharmila Anandasabapathy *(pictured)*, the future of medicine is full of promise—and collaboration lies at the heart of it all. Now, as the new Dean, Faculty of Medicine and Vice-President of Health, UBC, Dr. Anandasabapathy reflects on what first attracted her to a career in medicine, what excites her most about joining UBC, and how her experiences working globally have shaped her as a leader.

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📅 Upcoming Events in Vancouver

- | | |
|------------------------|---|
| November 12
8:00 AM | Vancouver Nanomedicine Day
Pharmaceutical Sciences Building |
| November 20
5:00 PM | Beaty Nocturnal
Beaty Biodiversity Museum |
| November 27
4:30 PM | McCarthy Spotlight Speaking Series
McCarthy Tetraault LLP |
| December 2
6:00 PM | Nice Genes! LIVE: A Genome BC Podcast
H.R. MacMillan Space Centre |
| December 3
6:00 PM | After Dark: Chillusions—Winter Magic Edition
Science World |

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📁 Science Jobs in Vancouver

- Medical Device Coordinator**
First Nations Health Authority
- Clinical Research Associate II**
Piper Companies
- Coordinator, Clinical Research**
Fraser Health
- Associate Scientist, Pharmaceutical Development**
AbCellera
- UBC Health Clinic Manager**
UBC

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STEMCELL Technologies
- Category Manager, Assets**
STEMCELL Technologies
- Senior Manufacturing Technician, Finished Goods**
STEMCELL Technologies
- Planner, GMP**
STEMCELL Technologies
- Associate Mechanical Engineer**
STEMCELL Technologies

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