

Volume 10.41: October 19, 2026

Publications of the Week

CSF1R$^+$ Macrophages and Osteoclasts Are Essential for Limb Bone Development During Embryogenesis

First Author: Felix Ma *(pictured)* | Senior Author: Jessica Rosin
Journal of Developmental Biology



Colony-stimulating factor-1 receptor (CSF1R) provides essential signals for macrophage and osteoclast proliferation, differentiation, and survival. Here, researchers utilized a pharmacological model by feeding the CSF1R inhibitor PLX5622 to pregnant mice across gestation to examine how CSF1R disruption impacts embryonic limb development. **Abstract**

View All Publications

Awards

Dr. Khaled Abdelrahman Receives Funding to Investigate Relationship Between Blood Flow and Alzheimer's Disease

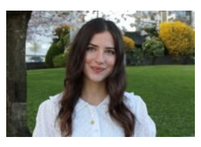
Djavad Mowafaghian Centre for Brain Health



Dr. Khaled Abdelrahman *(pictured)* has received funding from the Scottish Rite Charitable Foundation of Canada for his research into Alzheimer's disease. The goal of Dr. Abdelrahman's research is to better understand how cerebral blood flow is regulated and why this process becomes disrupted in Alzheimer's disease. His lab is particularly interested in M1 muscarinic acetylcholine receptors. **Read More**

Graduate students Awarded 2025 Canada Graduate Scholarships

Djavad Mowafaghian Centre for Brain Health (DMCBH)



The recipients of the Canada Graduate Research Scholarships from the Canadian Institutes of Health Research have been announced. Nine Master's students and three Doctoral students at DMCBH have been awarded scholarships, including Nahanni Musiani *(pictured)*. Musiani's thesis is focused on modeling transcranial magnetic stimulation in depression using computational neuroscience techniques. **Read More**

Dr. Miles Mannas Receives 2026 PCF Young Investigator Award to Study Aggressive Prostate Cancer

Vancouver Prostate Centre



Dr. Miles Mannas *(pictured)* has received one of the Prostate Cancer Foundation's prestigious 2026 Young Investigator Awards. Dr. Mannas's project combines artificial intelligence with advanced molecular technologies to explore faster, more reliable ways to profile prostate cancer biopsies and better understand why some tumours become aggressive and spread. **Read More**

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Local News

Three New BC Projects Strengthen the Tools Behind Cancer Research

Genome BC



Cancer remains a leading cause of death worldwide and the tools researchers rely on to fight it need to keep pace. Three new Genome BC funded projects are strengthening the infrastructure to support cancer research. These collaborations promise new options for the future of cancer care in British Columbia. Dr. Govinda Sharma *(pictured)*, Dermot Kelleher, Phil Barker, and Chetan Raina are project leads. **Read More**

Even Modest Post-Infection Complications Can Make Expanded Vaccine Coverage Cost Effective: New Modelling

UBC Science



New modelling led by interdisciplinary scientists at UBC could help public health officials better factor in the long-term impacts of infectious disease when determining optimum vaccine coverage rates. "Our models indicate even small post-infection costs can tip the scales and make the case for vaccine-driven elimination," said Dr. Chadi Saad-Roy *(pictured)*, senior author of the new study, **Read More**

Finding New Treatment Targets for Childhood Cancers: Q&A With Dr. Poul Sorensen

BC Children's Hospital Research Institute



For children and adolescents diagnosed with cancer, treatment can involve surgery, chemotherapy, and radiation. Each can be lifesaving, but can also place a considerable burden on a growing body. Dr. Poul Sorensen *(pictured)* is working to address this challenge. In this Q&A, Dr. Sorensen talks about the search for more precise treatments. **Read More**

Putting a Spotlight on Malnutrition in Canada: Alumni Catch-Up With Dr. Paula Littlejohn

UBC Michael Smith Laboratories



Dr. Paula Littlejohn *(pictured)* is a former member of the Finlay lab, where she completed her PhD research on micronutrient deficiencies and their impact on the gut microbiome. Dr. Littlejohn now works as a Clinical Research Lead in the Department of Evaluation and Research Services at the Fraser Health Authority, providing strategic and operational leadership for their mobile clinical research unit. **Read More**

BC Sees Development of Specialized Space for Life-Sciences Sector

Life Sciences BC



British Columbia's growing life-sciences sector is creating a new commercial real estate opportunity, but the specialized requirements of biotech companies mean developers face a different and more complex building challenge than conventional office or industrial developments. At a macro level, British Columbia has the capacity to sustain further industry growth, provided land policies support this expansion. **Read More**

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Upcoming Events in Vancouver

October 20
9:00 AM
From Bench to IND/CTA: Building a Strong Preclinical Package for First-in-Human Trials
Van Dusen Gardens, Floral Hall

October 22
4:30 PM
Women Founders Meetup at UBC Robson Square
UBC Robson Square

October 27
5:00 PM
SFU Café Scientifique: Yukon Ho! Permafrost, Glacial Lake Yukon, Landscape Evolution and the Yukon Gold Rush
Online

October 30
6:00 PM
After Dark: Sinister Science – Halloween Edition
Science World

November 2
4:00 PM
2026 Don Rix Distinguished Keynote Address
Vancouver Convention Centre West

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Science Jobs in Vancouver

Scientist II/Senior Scientist
AbCellera

Clinical Research Coordinator
UBC

Scientist I, Preclinical
NanoVation Therapeutics

Technical Quality Specialist Pre Analytical
LifeLabs

Wet Laboratory Technician
SGS

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STEMCELL Jobs in Vancouver

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STEMCELL Technologies

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STEMCELL Technologies

Senior Manufacturing Technologist
STEMCELL Technologies

Clinical Services and Alliances Partner, Clinical Programs
STEMCELL Technologies

Manufacturing Technologist, GMP
STEMCELL Technologies

View 26 Other STEMCELL Jobs

Learn to confidently apply the ISSCR Standards for Research to your human pluripotent stem cell based projects with this new, free on-demand course, co-developed by the International Society for Stem Cell Research (ISSCR) and STEMCELL Technologies.

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