



Publications of the Week

Investigation of Microglial Diversity in a LRRK2 G2019S Mouse Model of Parkinson's Disease

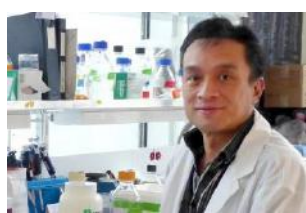
First Authors: Ludovina Iovino, Jared Vander Zwaag, and G. Kaur | Senior Authors: Marie-Eve Tremblay (pictured) and Laura Civiero
Neurobiology of Disease | UBC



Microglia contribute to the outcomes of various pathological conditions including Parkinson's disease (PD). Here, researchers delved into the diversity of microglia in a preclinical PD model featuring the G2019S mutation in LRRK2, a known pathological mutation associated with PD. Specifically, they investigated the 'dark microglia' and the 'disease-associated microglia'. [Abstract](#) | [Press Release](#)

Clinically-Observed FOXA1 Mutations Upregulate SEMA3C Through Transcriptional Derepression in Prostate Cancer

First Author: Kevin Tam | Senior Author: Christopher Ong (pictured)
Scientific Reports | Vancouver Prostate Centre, BC Cancer, and UBC



FOXA1 is a pioneer transcription factor that is frequently mutated in prostate, breast, bladder, and salivary gland malignancies. In the present study, researchers characterize FOXA1 alterations with respect to its regulation of Semaphorin 3C (SEMA3C), a secreted autocrine growth factor that drives growth and treatment resistance of prostate and other cancers and is known to be regulated by both androgen receptor and FOXA1. [Abstract](#)

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Awards

LSI Postdoctoral Researchers Awarded the CIHR REDI Early Career Transition Award

UBC Life Sciences Institute (LSI)



Two LSI postdocs were recipients of the prestigious CIHR Research Excellence, Diversity, and Independence (REDI) award that aims to support postdoctoral researchers, clinicians, and research associates belonging to specific underrepresented groups in Canada on their career journey. The two awardees are Drs. Henok Sahile and Miffy Hok Yan Cheng (pictured). [Read More](#)

Faculty Research Award Winners 2023

UBC Office of Research Prizes & Awards



UBC has announced the recipients of the 2023 Faculty Research Awards. UBC's Faculty Research Awards recognize the research excellence and scholarly achievements of faculty from across all disciplines, ranging from the applied sciences and medicine to the social sciences and humanities. Among this year's recipients is Dr. Vikramaditya Yadav (pictured). [Read More](#)

Endometriosis Genomics Study Co-Led by UBC Researchers Receives \$2.2M Funding Boost

UBC Faculty of Medicine



A new research project co-led by scientists at the UBC Faculty of Medicine has received a \$2.2 million USD grant to examine the genetic drivers of endometriosis, with an aim toward improving diagnosis and accelerating the development of precision treatment strategies, particularly for diverse and underserved communities. The project is co-led by Dr. Michael Anglesio (pictured). [Read More](#)

BC Cancer Researchers Awarded 2023 CFI Grants

BC Cancer Research



BC Cancer researchers have been awarded federal grants through the 2023 Canada Foundation for Innovation (CFI). Dr. François Bérnard and Dr. Arman Rahmim (pictured) were awarded \$6,227,953 through the CFI Innovation Fund on their collaborative project. Dr. Zu-hua Gao was awarded \$150,000 through the John R. Evans Leaders Fund for his project. [Read More](#)

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Local News

Precision Oncology Research at UBC Boosted by Partnership with Terry Fox Research Institute

UBC Michael Smith Laboratories



A new partnership between UBC's Michael Smith Laboratories and the Terry Fox Research Institute will help advance the work of Dr. Marco Marra (pictured), a leading expert on cancer cell genomics at the single-cell level. His research aims to reveal key characteristics of cancers such as pediatric acute myeloid leukemia, glioblastoma (an aggressive form of brain cancer), and cervical cancer. [Read More](#)

STEMCELL Technologies Announces FDA De Novo Classification for Its EasySep™ CD138 Positive Selection Kit to Support Cancer Diagnostic Tests

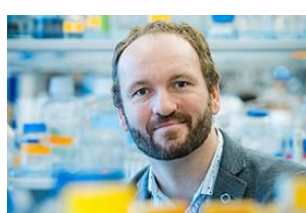
STEMCELL Technologies



STEMCELL Technologies announced that its new EasySep™ Human Bone Marrow CD138 Positive Selection Kit has been granted de novo classification by the US Food and Drug Administration (FDA) as a first-of-its-kind in vitro diagnostic medical device for hematopoietic cell enrichment. The kit can be used to enrich plasma cells expressing the CD138 marker (CD138+ cells) from patient bone marrow samples. [Read More](#)

Dr. James Johnson Appointed VCHRI Associate Director, Fundamental Research and Preclinical Models

Vancouver Coastal Health Research Institute (VCHRI)



VCHRI has announced the appointment of Dr. James Johnson (pictured) as VCHRI's new Associate Director of Fundamental Research and Preclinical Models effective April 1, 2024. Dr. Johnson is a professor in the Department of Cellular and Physiological Sciences and the Department of Surgery within the Faculty of Medicine at UBC. [Read More](#)

Av-Gay, Eltis, and Sun Labs Share How Their Research Contributes to Fight Against TB

UBC Department of Microbiology and Immunology



Each year, the World Health Organization recognizes March 24 as World Tuberculosis (TB) Day. From the UBC Department of Microbiology and Immunology, researchers in Drs. Yossef Av-Gay, Lindsay Eltis, and Jim Sun's labs share how their research contributes to the fight against tuberculosis. One of the interviewees is Dr. Henok Sahile (pictured), a postdoctoral fellow in the Av-Gay lab. [Read More](#)

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Upcoming Events in Vancouver

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|---------------------|---|
| 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 |
| May 8 8:00 AM | Living Innovations: BC's Path to Biological Engineering Online |
| May 24 9:00 AM | StemCellTalks Vancouver – Building Blocks of Life: Applications of Stem Cells Pharmaceutical Sciences Building, UBC |

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Science Jobs in Vancouver

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