

Publications of the Week

Targeting Nup358/RanBP2 by a Viral Protein Disrupts Stress Granule Formation

First Author: Jibin Sadasivan (pictured, left) | Senior Author: Eric Jan (right)  
PLOS Pathogens | Life Sciences Institute and UBC



Viruses have evolved mechanisms to modulate cellular pathways to facilitate infection. One such pathway is the formation of stress granules (SG), which are ribonucleoprotein complexes that assemble during translation inhibition following cellular stress. The authors uncoupled cricket paralysis virus-1A's functions and provide insight into its underlying mechanism for SG inhibition. [Profile](#) | [Abstract](#)

Age-Associated B Cells Are Long-Lasting Effectors That Impede Latent γHV68 Reactivation

First Author: Isobel Mouat | Senior Author: Marc Horwitz (pictured)  
Scientific Reports | Life Sciences Centre and UBC



Age-associated B cells (ABCs) are a unique population that are increased in an array of viral infections, though their role during latent infection is largely unexplored. The authors use murine gammaherpesvirus 68 (γHV68) to demonstrate that ABCs remain elevated long-term during latent infection and express IFNγ and TNF. [Abstract](#)

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Awards

December 2022 Award Winners

Science in Vancouver



Dr. Jiarui Ding (pictured) at UBC received a National Sciences and Engineering Research Council of Canada Discovery Grant for his project on uncovering the latent structure in single-cell multi-omics data to study human diseases. See which other Vancouver researchers received grants, awards, fellowships, and scholarships in December. [Read More](#)

STEMCELL Technologies President and CEO Dr. Allen Eaves Appointed to the Order of Canada

STEMCELL Technologies



STEMCELL Technologies has announced that its President and CEO, Dr. Allen Eaves (pictured), has been appointed to the Order of Canada by Her Excellency the Right Honourable Mary Simon, the Governor General of Canada. One of the nation's highest forms of recognition, the Order of Canada recognizes people who make extraordinary contributions to Canadian society. [Read More](#)

Dr. Arefeh Rouhi Receives BC Cancer Excellence Award for Workplace Inspiration

Terry Fox Laboratory



Dr. Arefeh Rouhi (pictured) is a doctor and scientist at the Terry Fox Laboratories, BC Cancer Research Institute. She is the winner of this year's BC Cancer Excellence Award in the category of Workplace Inspiration. The Workplace Inspiration Award recognizes a person with an unyielding ability to inspire those around them. This is a person colleagues look to for encouragement and motivation. [Read More](#)

Government Funding Will Support the Development of an Artificial Intelligence-Guided Ultrasound Imaging Platform

Djavad Mowafaghian Centre for Brain Health



A new artificial intelligence-guided point of care ultrasound imaging platform is under development by Dr. Iker Hachilloglu (pictured) at UBC. Housed at the Djavad Mowafaghian Centre for Brain Health, this exciting new platform is one of 18 new research projects funded by the province to improve the lives of British Columbians through the BC Knowledge Development Fund. [Read More](#)

Stephanie Besoiu and Petya Popova Receive the 2022 Zymeworks Fellowship in Immunotherapeutics

UBC Microbiology & Immunology



Congratulations to Stephanie Besoiu (pictured, centre left) and Petya Popova (centre right), recipients of the 2022 Zymeworks Fellowship in Immunotherapeutics. This award is offered to two graduate students each year, one from UBC's Department of Microbiology and Immunology and one from the Michael Smith Laboratories. [Read More](#)

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Local News

Breastfeeding Babies Can Offset the Risk of Asthma from Antibiotics

BC Children's Hospital Research Institute



New first-of-its-kind research by BC Children's Hospital investigators shows that breastfeeding can protect newborns from asthma risk due to antibiotic exposure. According to the study, children who were not breastfed while taking antibiotics had three times the risk of developing asthma compared to those who were breastfed while taking antibiotics. "Increasingly, we have come to understand the enormous influence infant gut health has on overall health," says Dr. Stuart Turvey (pictured). [Read More](#)

UBC Researchers Develop an Improved Hereditary Cancer Test

UBC Faculty of Medicine



UBC researchers at the BC Cancer Research Institute have made an advancement in genetic testing that allows for more accurate prediction of which parent's genes led to an individual's increased cancer risk. The approach was spearheaded by Vahid Akbari and Dr. Steven Jones (pictured) at Canada's Michael Smith Genome Sciences Centre and by Vincent Hanlon and Dr. Peter Lansdorp at the BC Cancer Research Institute's Terry Fox Laboratory. [Read More](#)

Sustained Therapeutics Advancing Clinical Trials for Novel Drug Delivery Platform

Cision



A Vancouver-based therapeutics company has received regulatory approval to begin the second Phase II trial of its novel long lasting non-opioid pain medication. Sustained Therapeutics is evaluating a sustained release platform technology that could revolutionize how we treat pain and significantly improve the lives of individuals living with chronic pain. [Read More](#)

AbCellera and AbbVie Partner to Advance New Antibody Therapies

AbCellera



AbCellera has entered into a multi-year, multi-target strategic collaboration with AbbVie. The partnership will leverage AbCellera's antibody discovery and development engine to deliver optimized development candidates for up to five targets selected by AbbVie across multiple indications. "This collaboration with AbbVie is another example of how AbCellera can extend the R&D capabilities for enabled pharmaceutical companies," said Dr. Carl Hansen. [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
- February 2 8:30 AM **Precision Health Symposium**  
AMS Student Nest, UBC
- February 2 11:30 AM **Women in Life Science – Panel Discussion 2023**  
Element Metrotown Hotel
- February 7 10:00 AM **Academic-Industry Partnerships Roundtable**  
Online

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Other Science Jobs in Vancouver

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UBC
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AbCellera
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