

Publications of the Week

Assessment of the ExAC Data Set for the Presence of Individuals with Pathogenic Genotypes Implicated in Severe Mendelian Pediatric Disorders

Tarailo-Graovac, M. and Wasserman, W.W., et al. | Genetics in Medicine
UBC, CMMT, and BCHRI



Large-scale sequencing projects and data aggregation consortia provide unprecedented opportunities to determine the prevalence of pathogenic genotypes in unselected populations. The authors analyzed the Exome Aggregation Consortium (ExAC) data set for the presence of individuals with pathogenic genotypes implicated in Mendelian pediatric disorders. [Read More](#)

The Sunflower Genome Provides Insights into Oil Metabolism, Flowering and Asterid Evolution

Rieseberg, L.H. and Langlade, N.B., et al. | Nature | UBC



The domesticated sunflower, *Helianthus annuus* L., is a global oil crop that has promise for climate change adaptation, because it can maintain stable yields across a wide variety of environmental conditions, including drought. The authors report a high-quality reference for the sunflower genome (3.6 gigabases), together with extensive transcriptomic data from vegetative and floral organs. [Read More](#)

Evaluating the Safety of β -Interferons in MS

De Jong, H.J.I. and Tremlett, H. et al. | Neurology | UBC



The authors examined the association between interferon- β (IFN- β) and potential adverse events using population-based health administrative data in British Columbia. Among patients with relapsing-remitting multiple sclerosis, IFN- β was associated with a 1.8- and 1.6-fold increase in the risk of stroke and migraine and 1.3-fold increases in depression and hematologic abnormalities. [Read More](#)

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Awards

Spring 2017 Seed Grants Announced

The International Collaboration on Repair Discoveries



The International Collaboration on Repair Discoveries (ICORD) is pleased to announce the recipients of the Spring 2017 Seed Grants (including Dr. Heather Gainforth, pictured). These grants are designed to support novel research projects proposed by ICORD Principal Investigators, and are made possible with the support of the Rick Hansen Foundation, ICORD and the Blusson Integrated Cures Partnership. [Read More](#)

New MSFHR Awards for 11 Health Professional Researchers

Michael Smith Foundation for Health Research



The Michael Smith Foundation for Health Research (MSFHR) has announced 11 award recipients for its inaugural Health Professional-Investigator Program. These exceptional health professionals will receive funding to support research focused on answering questions derived from their practical experience and clinical expertise.

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Local News

Vancouver Biotech Novelogics Partners with CDRD to Advance Cancer Treatment

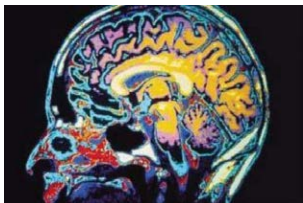
Business in Vancouver



Vancouver virtual life sciences company Novelogics Biotechnology, which focuses on using the immune system to eliminate tumours in ways that have fewer side effects than traditional methods, has developed a technology that involves the discovery and development of antibodies that suppress cancer in patients. They have partnered with the Centre for Drug Research and Development (CDRD) who will be analyzing the technology and moving it toward clinical trials. [Read More](#)

Imaging Technique May Reduce Cost, Timeline of Clinical Trials in MS

Djavad Mowafaghian Centre for Brain Health (UBC)



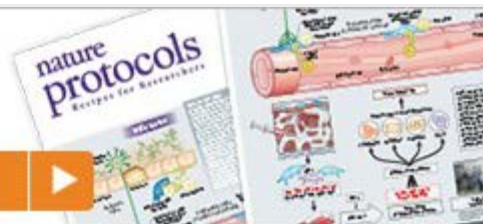
By using an advanced, highly-sensitive magnetic resonance imaging (MRI) techniques called susceptibility mapping, Dr. Alex Rauscher, a Canada Research Chair in Developmental Neuroimaging, is hoping to better understand how damage occurs in multiple sclerosis (MS) and how MRI can be used to monitor if new therapies are protective or have the potential to repair. [Read More](#)

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FREE Wallchart CO-AUTHORED BY ARNOLD CAPLAN
Roles for MSCs as Medicinal Signaling Cells



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Upcoming Events in Vancouver

- May 31 **2017 Squamish SciComm Course**
Quest University
- June 7 **Student Biotechnology Network Networking Soiree**
Telus World of Science
- June 11 - 13 **Personalized Medicine Summit**
Life Sciences Institute, UBC
- June 13 **LifeSciences BC Salmon BBQ**
Cecil Green Park House

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Scientific Communications & Publishing Coordinator

STEMCELL Technologies Inc.

Scientific Inside Sales Representative

STEMCELL Technologies Inc.

Clinical Research Assistant

Biolux Research Ltd.

Postdoctoral Fellow

BC Cancer Agency

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