

### Publications of the Week

## Relapse Timing Is Associated With Distinct Evolutionary Dynamics in Diffuse Large B-Cell Lymphoma

First Authors: Laura Hilton | Senior Author: David Scott (*pictured*)  
Journal of Clinical Oncology | BC Cancer, Canada's Michael Smith Genome Sciences Centre, SFU, and UBC



Diffuse large B-cell lymphoma is cured in more than 60% of patients, but outcomes remain poor for patients experiencing disease progression or relapse, particularly if these events occur early. The authors sought to confirm the relationship between relapse timing and outcomes after second-line (immuno)chemotherapy and determine the evolutionary dynamics that underpin that relationship. [Abstract](#)

[View All Publications](#)

### Awards

## Winners Announced for 2023 DMCBH Alzheimer Disease Research Grant Competition

David Mowafaghian Centre for Brain Health (DMCBH)



The DMCBH is pleased to share the five research studies that are being funded through the 2023 DMCBH Alzheimer Disease Research Grant. Each of these projects has the potential to transform Alzheimer disease outcomes. The studies are led by Drs. Shernaz Bamji (*pictured*), Khaled Abdelrahman, Brian MacVicar, Douglas Allan, Annie Ciernia, Cheryl Wellington, and Sriram Subramaniam.

[Read More](#)
[View All Featured Awards](#) | [View Monthly Award Summaries](#)

### Local News

## Staff Spotlight: Laura Barlow

Djavad Mowafaghian Centre for Brain Health (DMCBH)



Since 2015, Laura Barlow (*pictured*) has worked at the UBC MRI Research Centre in DMCBH as the Researcher MRI Supervisor. Prior to her current role, Laura worked at St. Paul's Hospital for 12 years in medical imaging, with four years spent in MRI. Laura went into this career because she fell in love with the technology and diagnostic power of MRI. "There's always something new to learn – new technology, new advancements, it keeps me engaged," adds Barlow. [Read More](#)

## Research Reveals Insights into Lymphoma Relapse and Treatment Response

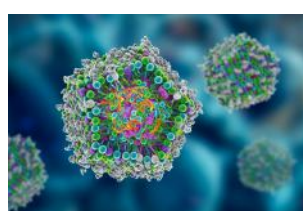
Terry Fox Laboratory



A recent study conducted by researchers at BC Cancer has shed light on the cause behind the different outcomes of patients with diffuse large B-cell lymphoma (DLBCL) who experience a relapse of their disease. The study, led by Dr. Laura Hilton (*pictured*) and Dr. David Scott aimed to understand the molecular characteristics of the initial diagnostic and relapse tumour samples of patients with DLBCL. [Read More](#)

## Lipid Nanoparticle Freight Comparison

Centre for Blood Research



By modifying the structure of lipid nanoparticles (LNPs), specific cells such as hepatocytes can be targeted for pharmaceutical therapies. As the field of LNPs continues to grow, researchers and engineers will remain steadfast in improving the efficacy and safety of the vessels as an alternative therapy towards a wide range of diseases. There is so much more to unpack in the world of lipid nanoparticle delivery! [Read More](#)

## The Air That We Breathe: New Study Assess Pollution's Impact on COPD

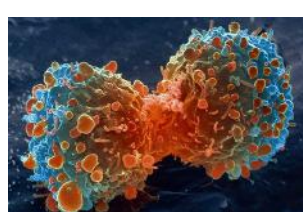
The Daily Scan



A new report led by Providence Research scientist Dr. Don Sin (*pictured*) summarizes the impact of air pollution on Chronic Obstructive Pulmonary Disease (COPD) and provides a direction to improve the care and outcomes for patients with COPD worldwide. Exposure to air pollution is a major contributor to the development and exacerbation of COPD. [Read More](#)

## Popular Dietary Supplement May Offer New Treatment Option for Aggressive Cancers

UBC Faculty of Medicine



A new study by researchers at UBC's Faculty of Medicine and McGill University has revealed that the popular dietary supplement alanine may offer an effective treatment option for people diagnosed with several types of aggressive cancer. The findings, published in *Nature Communications*, show alanine's potential as a treatment for cancers characterized by a dual loss of the *SMARCA4* and *SMARCA2* genes. [Read More](#)

[View All Local News](#)

### Upcoming Events in Vancouver

June 28 12:00 PM	<b>WiP Seminar: Dr. Anita Ho</b> St. Paul's Hospital & Online
June 28 5:00 PM	<b>Life Sciences BC Summer Social</b> Zymeworks
June 29 2:30 PM	<b>MSL EDI Committee Workshop Series: Workshop 2 – Building Queer and Trans Inclusive Spaces</b> Michael Smith Laboratories
July 21 12:00 PM	<b>Diversify Research</b> BC Cancer Research Centre
July 22 9:30 AM	<b>Data Science Intro Day</b> BrainStation Vancouver

[View All Events](#) | [Submit an Event](#)

### STEMCELL Jobs in Vancouver

**Scientist, Process Development, Media**  
STEMCELL Technologies

**Scientist, Biophysics, Cell Separation**  
STEMCELL Technologies

**Senior Manager, Research Lab Operations**  
STEMCELL Technologies

**Lab Services Assistant**  
STEMCELL Technologies

**Senior Marketing Associate**  
STEMCELL Technologies

[View 122 Other STEMCELL Jobs](#)

### Other Science Jobs in Vancouver

**Scientist, DMPK/ADME**  
Zymeworks

**Research Associate, Formulation**  
Cytiva

**Associate Scientist, External Manufacturing (MSAT)**  
AbCellera

**Senior Scientist, Discovery Protein Science**  
Amgen

**Research Engineer, Bioprinting Innovation**  
Aspect Biosystems

[View 32 Other Science Jobs](#) | [Submit a Job](#)

[A person presenting slides at a scientific conference](#)

Submit your articles and events by reaching out to us at [info@scienceinvancouver.com](mailto:info@scienceinvancouver.com).

BROUGHT TO YOU BY



**STEMCELL Technologies**  
Products | Services

**STEMCELL Science News**  
Free Weekly Updates on Your Field

**The Stem Cell Podcast**  
Interviews and Updates on Stem Cell Science