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Local Publication of the Week

Depression, Telomeres and Mitochondrial DNA: Between- and Within-Person Associations from a 10-Year Longitudinal Study

Puterman, E., et al. | Molecular Psychiatry | UBC

Alterations in cellular aging, indexed by leukocyte telomere length (LTL) and mitochondrial DNA copy number (mtDNAcn), might partly account for the increased health risks in persons with depression. The authors perform a longitudinal study showing that high levels of depressive symptomatology throughout the 10-year time span was associated with shorter average LTL over 10 years after covarying for age, sex, race and education.

[Read More](#)

Spotlight

Dr. David Vocadlo Talks Carbohydrates, Alzheimer's, and Entrepreneurship

Science in the City

Dr. David Vocadlo is a Canada Research Chair and professor in the Department of Chemistry at Simon Fraser University. In addition to his work at the university, Dr. Vocadlo is also the CSO of Alectos Therapeutics, a pharmaceutical company he co-founded based on an idea inspired by his academic research. [Read More](#)

Local News

TEDxStanleyPark – 3D Printing Human Tissue: Where Engineering Meets Biology

Tamer Mohamed

Tamer Mohamed talks about how 3D printing human tissue will allow us to develop better, safer, and cheaper drugs while reducing our reliance on animal testing. Beyond drug development, Tamer imagines a future where replacement organs are 3D printed using a patient's own cells, avoiding organ wait lists and the risk of rejection.

[Read More](#)

eDNA Offers Ability to Inform about Presence or Absence of Species

Genome BC

To validate eDNA as an impactful technology, Genome BC has invested in a partnership between the University of Victoria, Seastar Biotech Inc., Stantec Consulting Ltd., BC Hydro and the BC Ministry of Environment to do a case study focused on White Sturgeon, an endangered species in Canada. The project will advance understanding of the power and limitations of eDNA analysis, as well as White Sturgeon distribution in areas of special interest to BC Hydro and the BCMOE. [Read More](#)

Researchers Create New Diagnostic Tool for Detecting Breast Cancer

SFU News

SFU researchers have created a patent-pending, optical diagnostic probe capable of more safely and non-

invasively detecting early stage breast cancer. Recent testing of the device found that it can conclusively confirm cancer, while also providing more detail about “suspicious tissue” than conventional methods. [Read More](#)

Science Life

Ph.D. Students Face Significant Mental Health Challenges

Science

Approximately one-third of Ph.D. students are at risk of having or developing a common psychiatric disorder like depression, a recent study reports. Fortunately, this can be offset by having an inspirational supervisor, and an interest in pursuing an academic career. [Read More](#)

Teaching in the Age of Social Media

University Affairs

Engaging with students – both inside and outside the classroom – who are continually linked in to social media and online devices presents a range of opportunities, challenges and pitfalls. [Read More](#)

A Growing Phobia

Naturejobs

If you are terrified to meet with your supervisor, start with small doses, says Eleftherios Diamandis, Head of Clinical Biochemistry at the University of Toronto. [Read More](#)

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Challenge: Share Your Immunology Research
in 255 Characters to Win



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Upcoming Events in Vancouver

- | | |
|----------|--|
| April 18 | An Evening to Discuss BC Politics, Women, and STEM
Big Rock Urban Brewery & Eatery |
| April 19 | LifeSciences BC Awards
Hyatt Regency Vancouver |
| April 20 | Beaty Nocturnal: Hops
Beaty Biodiversity Museum |
| April 20 | SBN Networking Night
Central City Brewpub |
| April 22 | March for Science
Queen Elizabeth Theatre |

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Science Jobs in Vancouver

Quality Control Analyst, Cell Separation
STEMCELL Technologies Inc.

Product Marketing Manager, Pluripotent Stem Cells
STEMCELL Technologies Inc.

Oral Biological and Medical Sciences – Assistant/Associate Professor
Faculty of Dentistry, UBC

Project Manager
Zymeworks Inc.

Business Development Scientist
Zymeworks Inc.

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LIVE WEBINAR

**Human Artificial Chromosomes and iPS Cells:
“Reprogramming” Experimental Therapies for
Muscle Diseases**

by Dr. Saverio Tedesco, UCL



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