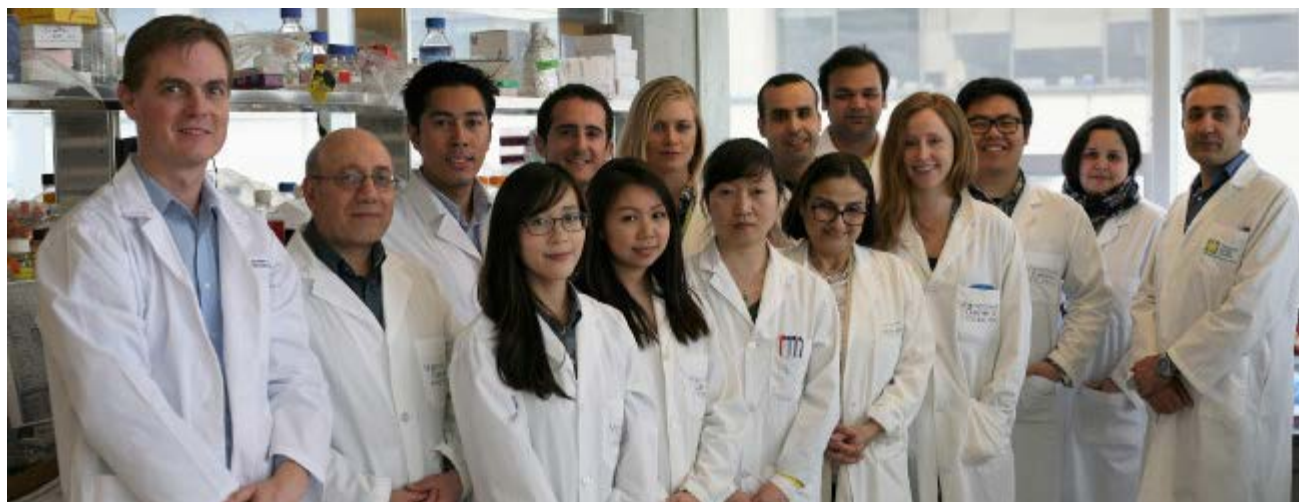


Publications of the Week

PROFILED: An Oncofetal Glycosaminoglycan Modification Provides Therapeutic Access to Cisplatin-Resistant Bladder Cancer

Seiler, R. and Daugaard, M. et al. | *European Urology*
UBC, Zymeworks, and GenomeDx Biosciences



Cisplatin-resistant bladder cancer overexpresses particular sugar chains compared with chemotherapy-naïve bladder cancer. Using a recombinant protein from the malaria parasite *Plasmodium falciparum*, the authors target these sugar chains, resulting in a significant antitumour effect in cisplatin-resistant bladder cancer.

[Read More](#)

Immunogenicity of 2 vs 3 Doses of the Quadrivalent Human Papillomavirus Vaccine in Girls Aged 9 to 13 Years after 60 Months

Ogilvie, G., et al. | *JAMA* | UBC

Human papillomavirus (HPV) vaccines were originally approved with three-dose schedules. However, two doses of HPV vaccine have been recommended for girls younger than 15 years based on antibody response at 36 months. The authors report antibody response at 60 months after two doses of quadrivalent HPV vaccine.

[Read More](#)

Phosphorylation of NEUROG3 Links Endocrine Differentiation to the Cell Cycle in Pancreatic Progenitors

Krentz, N. A. J. and Lynn, F.C., et al. | *Developmental Cell*
UBC and BC Children's Hospital Research Institute

The authors demonstrate that progenitor cell-cycle G₁ lengthening, through its actions on stabilization of the

proendocrine transcription factor neurogenin 3 (NEUROG3), is an essential variable in normal endocrine cell genesis. [Read More](#)

Awards Roundup

Dr. Julio Montaner, Dr. Shannon Kolind, and Dr. Michael Hayden among This Week's Winners! [Read More](#) in This Week's Awards Roundup.



Vancouver researchers won a number of grants, scholarships, and awards this week, including Dr. Julio Montaner (above), winner of the prestigious \$100,000 Killam Prize. [Read More](#)

Local Science News

New Chlamydia Drug Targets Discovered Using CRISPR and Stem Cells

Wellcome Trust Sanger Institute

Scientists at the University of British Columbia and their collaborators at the Wellcome Trust Sanger Institute have created an innovative technique for studying how chlamydia interacts with the human immune system.

[Read More](#)

Solving the Mystery: Heparin-Induced Thrombocytopenia without Heparin?

The Centre for Blood Research

Heparin is a natural anticoagulant employed in clinical treatment to reduce clotting. However, heparin use is not without consequence, as its usage can result in an auto-immune clotting disorder known as heparin-induced thrombocytopenia (HIT). Interestingly, HIT can persist even after heparin has cleared from the body – a mystery that the Centre for Blood Research researchers aimed to solve. [Read More](#)

Joint Advocacy Leads to Improved Access to Parkinson's Medication in BC

David Mowafaghian Centre for Brain Health

Jean Blake, CEO of the Parkinson's Society of British Columbia, and Dr. Martin McKeown, Director of the Pacific Parkinson's Research Centre, have been pushing for improved access to Duodopa - a Parkinson's disease drug delivery system. [Read More](#)

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FEATURED WEBINAR

Whole Exome Sequencing Reveals Selective Pressures and Dominant Negative Mutations in hPSC Cultures
by Prof. **Kevin Eggan** and Dr. Florian Merkle



Watch Now



 **Upcoming Events in Vancouver**

- | | |
|------------|--|
| May 9 - 10 | Intestinal Organoid In-Person Training
STEMCELL Technologies |
| May 10 | BC Regenerative Medicine Research Symposium
University of British Columbia |
| May 11 | Universe of the Brain
HR MacMillan Space Centre |
| May 13 | Science Rendezvous and International Astronomy Day
Simon Fraser University |
| May 15 | Heart & Stroke Foundation – Big Bike
CDRD |

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STEMCELL Technologies Inc.

Product Marketing Manager, Pluripotent Stem Cells
STEMCELL Technologies Inc.

Research Asst/Tech 4
Faculty of Pharmaceutical Sciences


Scientist II, Cell & Molecular Biology
Precision NanoSystems, Inc.

Project Manager
Zymeworks Inc.

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