

Publications of the Week

The Genome-Wide Rate and Spectrum of Spontaneous Mutations Differ Between Haploid and Diploid Yeast

First Author: Nathaniel Sharp (*pictured*) | Senior Author: Sarah Otto
PNAS | UBC



Organisms vary in the number of genome copies per cell: ploidy. By altering how DNA is replicated and repaired, ploidy may determine the number and types of mutations that arise, affecting how evolution proceeds. The authors sequenced the genomes of >200 replicate lines of yeast (*Saccharomyces cerevisiae*) with one versus two genome copies (haploid versus diploid) after accumulation of thousands of new mutations. [Profile](#) | [Abstract](#)

Endoplasmic Reticulum-Plasma Membrane Contact Sites Integrate Sterol and Phospholipid Regulation

First Author: Evan Quon (*pictured*) | Senior Author: Anant Menon
PLoS Biology | SFU



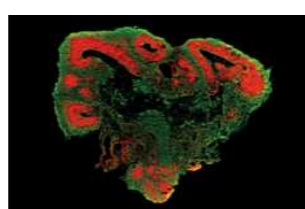
Tether proteins attach the endoplasmic reticulum (ER) to other cellular membranes, thereby creating contact sites that are proposed to form platforms for regulating lipid homeostasis and facilitating non-vesicular lipid exchange. The authors suggest a model in which ER-plasma membrane contact sites provide a nexus for coordinating the complex interrelationship between sterols, sphingolipids, and phospholipids that maintain PM composition and integrity. [Profile](#) | [Abstract](#)

[View All Publications](#) 

Your Voice

Brain Organoids: Progress and Prospects

Tara Fernandez



To the untrained eye, cerebral organoids are deceptively unimpressive. However, the immense potential they hold for unlocking the secrets of the human brain is, indeed, nothing to be balked at. These self-assembled, laboratory-grown tissues are continually pushing the boundaries of neurodevelopmental and neurodegenerative research. [Read More](#)

[View All Your Voice Articles](#)  | [Submit an Article](#) 

Awards

2018 Top Doctoral Students and Rising Star Award Recipients Announced

Vancouver Coastal Health Research Institute



Vancouver Coastal Health Research Institute (VCHRI) is proud to support tomorrow's research leaders with the Top Graduating Doctoral Student Awards and the Rising Star Awards. These awards recognize outstanding contributions by VCHRI research trainees to research excellence, service as role models, and other contributions to the VCH research community. [Read More](#)

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

Local News

Microbiome Insights Expands to New Lab Facilities on UBC Campus

Microbiome Insights via Business Wire



Microbiome Insights has announced the opening of its new laboratory on the campus of the University of British Columbia. The company, a leading end-to-end service provider for microbiome DNA sequencing and bioinformatic analysis, has expanded into its new state-of-the-art lab in order to meet the needs of over 100 clients. [Read More](#)

Meet the Researcher: Dr. Edward M. Conway

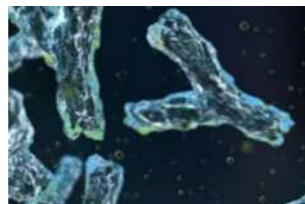
The Centre for Blood Research



Dr. Ed Conway (*pictured*) is a Professor of Medicine in the Division of Hematology-Oncology, and the Director of the Centre for Blood Research at the University of British Columbia. His research lab is located in the Life Sciences Institute. Trained in Boston as a Hematologist-Oncologist, he retains a strong interest in pursuing research that is clinically relevant. [Read More](#)

AbCellera and Harbour Antibodies Combine Capabilities to Create Fully-Human Therapeutic Antibodies

Biotechnology Focus



AbCellera and Harbour Antibodies, a Harbour BioMed subsidiary, have entered into an agreement to combine AbCellera's single-cell antibody discovery capabilities with Harbour's H2L2 transgenic mouse platform to create a solution that enables the generation of large panels of fully-human therapeutic antibodies with unmatched speed, quality and efficiency. [Read More](#)

CDRD & Schrödinger Announce Oncology Collaboration to Develop Novel Biologics

The Centre for Drug Research and Development



Schrödinger, a privately-held company dedicated to revolutionizing drug discovery through advanced computational methods, has established a collaboration with Canada's national Centre for Drug Research and Development (CDRD) at the University of British Columbia, to develop novel immuno-oncology monoclonal antibodies and other cancer biologics. [Read More](#)

[View All Articles](#)  | [Submit an Article](#) 

Upcoming Events in Vancouver

- June 11 - 15
9:00 AM **Molecular Biology Workshop for Professionals**
AMBL Lab at Michael Smith Building
- June 12
6:00 PM **The 17th Annual Student Biotechnology Network Soiree**
Telus World of Science
- June 13
4:00 PM **Harold Copp Lecture**
Life Sciences Institute
- June 14
4:00 PM **D.R.I.N.K.S. (Discussions Relevant to Inspiring New Knowledge and Science)**
Mahony and Sons, Stamps Landing
- June 14
5:15 PM **SCWIST Annual General Meeting**
University Women's Club

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

STEMCELL Jobs in Vancouver

- Scientific Marketing Specialist, Pluripotent Biology**
[STEMCELL Technologies](#)
- Scientific Sales Representative, Cell Culture Products**
[STEMCELL Technologies](#)
- Senior Manager, Quality Control, Cell Separation**
[STEMCELL Technologies](#)
- Research Technologist, Hematopoietic**
[STEMCELL Technologies](#)
- Research Associate, Neural Research**
[STEMCELL Technologies](#)

[View 87 Other STEMCELL Jobs](#) 

Other Science Jobs in Vancouver

- Technician or Senior Technician**
Precision Nanosystems
- Research Assistant**
Simon Fraser University
- Laboratory Technologist**
Contextual Genomics
- Animal Test Specialist**
ViroGin Biotech
- Research Scientist, Medicinal Chemistry**
Xenon Pharmaceuticals

[View 31 Other Science Jobs](#)  | [Submit a Job](#) 

HER 'MINI-BRAINS' CREATION WAS UNEXPECTED. HER PROTOCOL WAS GROUNDBREAKING.

Webinar by Madeline Lancaster



STEMCELL TECHNOLOGIES

[WATCH NOW](#) 

BROUGHT TO YOU BY



STEMCELL Technologies
Products | Services

Connexion Science Newsletters
Free Weekly Updates on Your Field

The Stem Cell Podcast
Interviews and Updates on Stem Cell Science