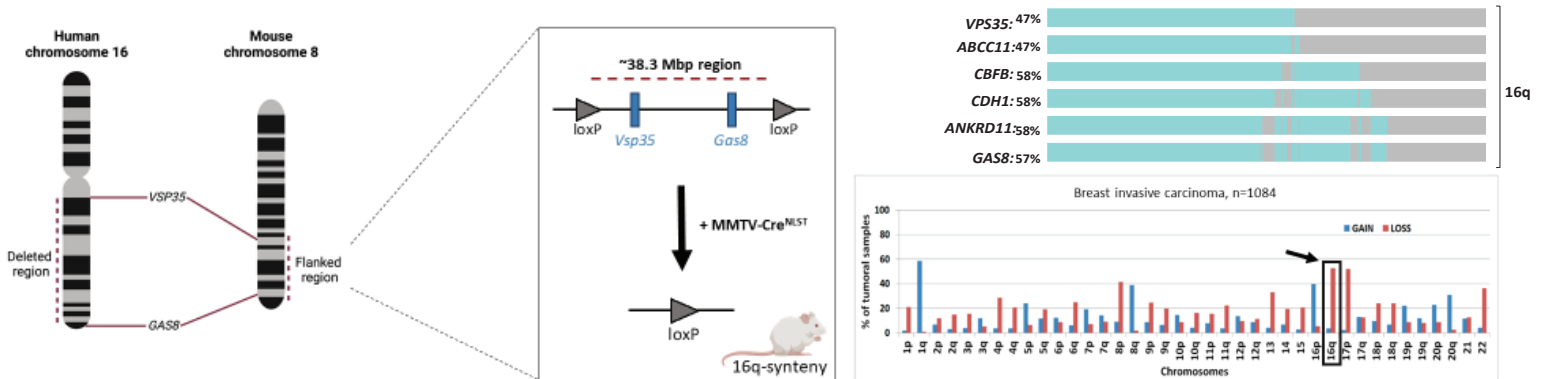


RESEARCH CONNECTIONS

A Research Institute seminar series showcasing scientists in different research programs or in basic and clinical research, including successful partnerships or thematically aligned studies. Each seminar is designed to highlight or stimulate the connections that lead to impactful discoveries.



Featured Speakers

LAURYL NUTTER PhD

Technical Innovation Investigator, Genetics & Genome Biology, The Hospital for Sick Children; Director, Research & Technology Development, The Centre for Phenogenomics.

SEAN EGAN PhD

Senior Scientist, Cell Biology, The Hospital for Sick Children; Professor of Molecular Genetics, University of Toronto.

The development and study of mouse models for large chromosome deletions implicated in human cancer

Technological advances using nucleases from bacteria and phage enable precise and efficient modification of the mammalian genome. Most recently, direct modification of embryonic genomes without embryonic stem cells as an intermediate has increased model production efficiency. Methods used at The Centre for Phenogenomics to generate mouse models with disease-associated alleles – from single nucleotide to copy number variants – will be discussed. Studies on mouse models for 16q and 5q hemizygous loss modeling genetic changes associated with human breast cancer will be presented.

Panel

Zhenya Ivakine, PhD

Scientist, Genetics and Genome Biology, The Hospital for Sick Children; Assistant Professor, Department of Molecular Genetics and Department of Physiology, University of Toronto.

Julie Lefebvre, PhD

Senior Scientist, Neurosciences and Mental Health, The Hospital for Sick Children; Associate Professor, Department of Molecular Genetics, University of Toronto.

Thursday, October 5, 2023, 12 to 1p.m.

This seminar will be held virtually only.

Join Zoom Meeting

<https://zoom.us/j/91691298560?pwd=UnZNNUdKMERTQkxvMTJPCm55aktTd09>

Meeting ID: 916 9129 8560

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