

Department of Anatomy & Cell Biology Seminar Series

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Leveraging precision genome editing screening to study gene function, genetic variation, and drug development

The swift incorporation of large-scale precision genome editing into the day-to-day benchwork at the functional genomics laboratory can transform our approach to complex biological questions. Our lab applies cutting-edge large-scale precision genome editing to address outstanding mechanistic questions in the DNA damage response and their association with human disorders. We are interested in the mechanisms whereby DNA repair and checkpoint control activities are integrated, and how they coordinate to preserve cellular homeostasis and suppress tumorigenesis. In addition, we are excited about the power of precision genome editing to understand disease-associated genetic variation and to improve intelligent drug design.



Wednesday, May 8, 2024
11:30am - 12:30pm

Hosted by: Chantal Autexier, PhD



Room 1/12 - Strathcona
Anatomy and Dentistry
Building



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