



Genome Sciences Seminar

Wednesday, 2.20.19 | 3:30 | Foege Auditorium



Dr. Anne-Claude Gingras

Senior Investigator, Lunenfeld-Tanenbaum Research Institute, Sinai Health System

Professor, Dept of Molecular Genetics, University of Toronto

“A proximity map of a human cell”

The Gingras Lab:

We are a signal transduction, systems biology and proteomics lab located in the [Lunenfeld-Tanenbaum Research Institute](#) in Toronto.

Reversible protein phosphorylation is mediated by a network of protein kinases and phosphatases that regulate the response of cells to environmental stimuli. Importantly, misregulation of this process has been implicated in numerous diseases, including cancer and diabetes. We are particularly interested in understanding how phosphatases respond to different environmental cues and how they recognize their substrates. We are applying quantitative proteomics approaches, as well as an array of biochemical and cell biology techniques, to shed light on this important enzyme family. This being said, we also have other fun projects, which you can see under the Research tab.

We also develop technologies and software tools for proteomics, primarily for the analysis of protein-protein interactions. These are listed under the Resources tab. Have a look at our experimental protocols and available cloning vectors. Please also see our dedicated website for the distribution of [ProHits](#), a Laboratory Information Management System for AP-MS experiments. Explore the [Contaminant Repository for Affinity Purification](#) (or CRAPome), a resource to help biologists making sense of their interaction data, and navigate our own [Interaction Repository](#).

<https://gingraslab.lunenfeld.ca/>

Refreshments served outside the Auditorium at 3:20pm

Questions? Contact Brian Giebel at bgiebel@uw.edu or visit the Seminar website at <http://www.gs.washington.edu/news/seminars.htm>

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