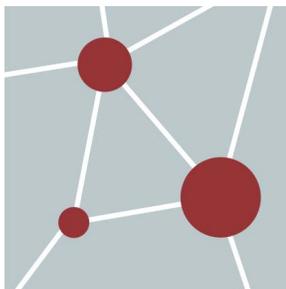# bioinformatics.ca

2023 Workshop Program
Canadian Bioinformatics Workshop Series

REGISTRATION AWARDS AVAILABLE

Pathway and Network Analysis

Date

June 5-7, 2023 - Toronto, Ontario, Canada

Faculty

Veronique Voisin, Ruth Isserlin, Gary Bader, Lincoln Stein

Course Objectives

The CBW has developed a 2.5 day course covering the bioinformatics concepts and tools available for interpreting a gene list using pathway and network information. The workshop focuses on the principles and concepts required for analyzing and conducting pathway and network analysis on a gene list from any organism, although focus will be on human and model eukaryotic organisms.

Participants will gain practical experience and skills to be able to get more information about a gene list, discover what pathways are enriched in a gene list (and use it for hypothesis generation), find out how a set of genes is connected (e.g. by protein interactions), identify pathways, systems and modules within this network, and predict gene function and extend a gene list.

We will develop a unified analysis flow chart throughout the course that students will be able to follow after the workshop to conduct their own analysis.

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www.bioinformatics.ca