

Early Registration Fee
Starting at \$700 + tax

Late Registration Fee
is an additional \$200

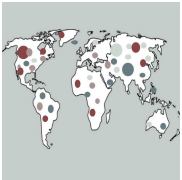
Limited to 30 participants
per workshop

 bioinformatics.ca

Canadian Bioinformatics Workshop Series

Registration and Travel Awards Available

Infectious Disease Genomic Epidemiology



Date

June 10 - 12, 2018 - Toronto, Ontario

Faculty

Will Hsiao, Gary Van Domselaar, Ed Taboada, Andrew McArthur, Fiona Brinkman, and Anamaria Crisan

Course Objectives

With increasing adoption of Next Generation Sequencing technologies to infectious disease surveillance and outbreak investigations, genomic epidemiology (combining pathogen genomics data with epidemiological investigations to track the spread of infectious diseases) is poised to change the practices of public health and infection controls and provides unprecedented amount of data for pathogen evolution studies.

This 3-day CBW course provides an introduction to genomic epidemiology analysis followed by hands-on practical tutorials demonstrating the use selected analysis tools. The tutorials are designed as self-contained units that include example data and detailed instructions for installation of all required bioinformatics tools or access to publicly available web applications.

Participants will gain practical experience and skills to be able to:

- Analyze NGS data for pathogen surveillance and outbreak investigations;
- Analyze antimicrobial resistance genes;
- Detect emerging pathogens in metagenomics data;
- Perform phylogeographic analysis;
- Use visualization tools for genomic epidemiology analysis;

Sponsored by:



For information send an email to:
course_info@bioinformatics.ca

For course requirements and to apply
visit: bioinformatics.ca