

Early Registration Fee  
\$700 + tax

Late Registration Fee  
is an additional \$200

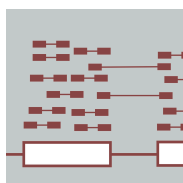
Limited to 30 participants  
per workshop

 bioinformatics.ca

# Canadian Bioinformatics Workshop Series

Awards available for CBW workshops

## Informatics for RNA-seq Analysis



### Date

May 28 - 30, 2018 - Downtown Toronto, Ontario

### Faculty

Malachi Griffith, Obi Griffith, Brian Haas, and Fouad Yousif

### Course Objectives

High-throughput sequencing of RNA libraries (RNA-seq) has become increasingly common and largely supplanted gene microarrays for transcriptome profiling. When processed appropriately, RNA-seq data has the potential to provide a considerably more detailed view of the transcriptome. The CBW has developed a **three-day workshop** providing an introduction to RNA-seq data analysis followed by integrated tutorials demonstrating the use of popular RNA-seq analysis packages. The tutorials are designed as self-contained units that include example data (Illumina paired-end RNA-seq data) and detailed instructions for installation of all required bioinformatics tools (HISAT, StringTie, etc.).

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

- Perform command-line Linux-based analysis on the cloud;
- Assess quality of RNA-seq data;
- Align RNA-seq data to a reference genome;
- Estimate known gene and transcript expression;
- Perform differential expression analysis;
- Discover novel isoforms;
- Assemble RNA-Seq data into transcripts;
- Visualize and summarize the output of RNA-seq analyses in R.

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For information send an email to:  
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