bioinformatics.ca

Canadian Bioinformatics Workshops

www.bioinformatics.ca

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Introductions to Bioinformatics instructors

Malachi Griffith
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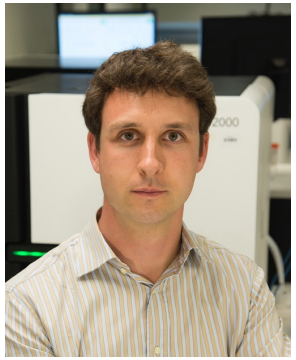
Associate Professor of Genetics
Assistant Director, MGI



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GRIFFITHLAB

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OICR
Ontario Institute for Cancer Research

Introduction to course – philosophy and goals

Do "the bioinformatics" for someone, and you help them for a day. Teach someone to do bioinformatics, and you help them for a lifetime.

- Ancient Chinese proverb

- Course goals
  - Learn concepts and develop skills for sequence analysis
  - Build the foundation for tackling your own analysis challenges
  - Learn to think like a bioinformatician
  - Have fun

Course format for a typical day

- Lecture
- BREAK
- Practical exercises
- Lunch
- Practical exercises
- BREAK
- Practical exercises
- Wrap-up and Q&A

Student poll (respond in slack)

Not counting the pre-requisites and materials for this course:

- Do you consider yourself a bioinformatician?
- Are you familiar with linux/command line?
  - Intermediate?
  - Expert?
- Do you sometimes write code?
- Are you familiar with R?
  - Intermediate?
  - Expert?
- Do you use git/github?
- What organism do you work with? (Put an animal emoji in slack)
- Are you interested in bulk RNAseq, scRNAseq, or both?

We are on a Coffee Break & Networking Session

Workshop Sponsors:

Canadian Centre for Computational Genomics