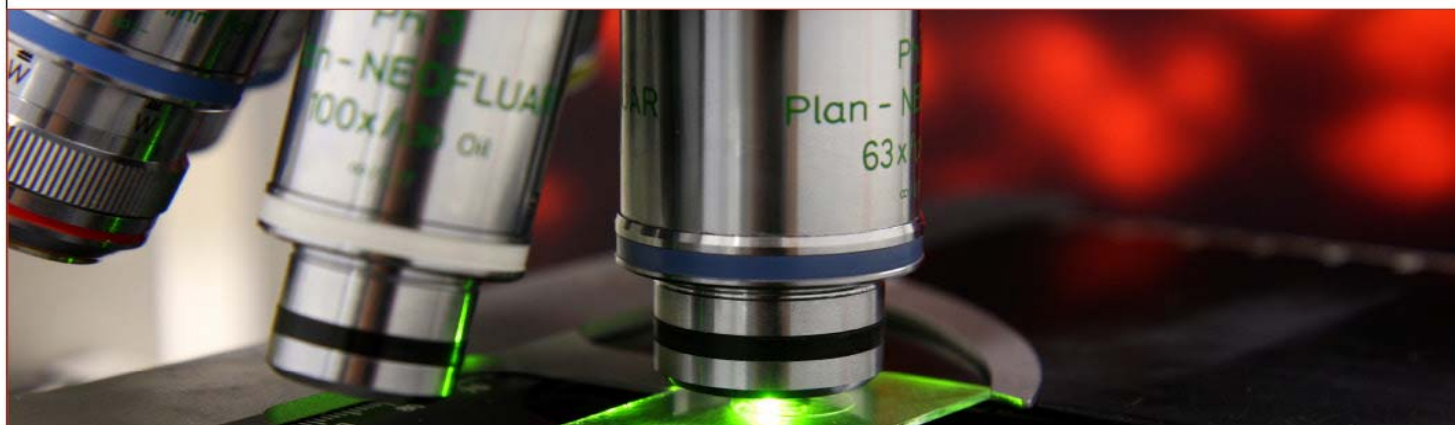


SÉMINAIRES ET CONFÉRENCES



Toby Hocking

Department of Human Genetics,
McGill University

«Statistical machine learning algorithms for understanding big data in genomics and medicine»

Supervised machine learning is the branch of computer science concerned with developing algorithms that learn functions, rules, and patterns based on labeled data. In my talk I will give an overview of several of my contributions to the machine learning, statistics, bioinformatics, and cancer biology literature. I will discuss two genomic data analysis problems in depth: breakpoint detection in DNA copy number data, and peak detection in ChIP-seq data. My contributions are new labeling methods and supervised machine learning algorithms that provide state-of-the-art detection accuracy in these data. I will also briefly discuss some of my other projects and plans for future research..



Faculté de médecine
Département de biochimie
et médecine moléculaire

Université 
de Montréal

Le vendredi, 3 novembre 2017, 13:30

**Pavillon Roger-Gaudry
Salle : D-225**

Invité Luc Desgroseillers

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