

Hiver 2017

# Learning human history from the distribution of allele frequencies

Séminaire de statistique

**Conférencier: Simon Gravel**

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Québec Innovation Centre  
Dept of Human Genetics**

**Date, heure et endroit**

Jeudi 23 février 2017  
VCH-3840  
13h30

## Résumé

Genetic differences between human individuals and across populations depend on mutation, selection, and demography. The distribution of allele frequencies across human populations therefore provides hints about human history.

I will discuss theoretical limits to what we can learn from genomic data, present new jackknife-based statistical approaches to infer demographic parameters and predict the outcomes of experiments, and discuss what we have learned about the spread of modern humans since our common African origins.

**Ting-Huei Chen & Louis-Paul Rivest**  
Responsables du séminaire de statistique



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