



Colloquium

The Institute Colloquium: Theoretical and empirical examination of genetic diversity

Aneil Agrawal

University of Toronto

Host:

Some of the most productive organisms on earth reproduce asexually much of the time. Much of evolutionary genomic inference relies on coalescence but almost all previous theory assumes full sex (or haploidy). I will discuss our recent work integrating partial asexuality into the coalescent framework to understand how low rates of sex affects coalescence, highlighting the importance of gene conversion. I will also how low rates of sex greatly enhance background selection, thereby reducing effective population size, via two separate effects. Finally, I will present some new population genomic data from a facultatively sexual plant, the duckweed *Spirodela polyrhiza*.

Monday, May 2, 2016 12:45pm - 01:45pm

Raiffeisen Lecture Hall, Central Building



This invitation is valid as a ticket for the ISTA Shuttle from and to Heiligenstadt Station.

Please find a schedule of the ISTA Shuttle on our webpage:

<https://ista.ac.at/en/campus/how-to-get-here/> The ISTA Shuttle bus is marked ISTA Shuttle (#142) and has the Institute Logo printed on the side.