



# Evolutionary Genomics of a Model Grass Compilospecies

Kevin Murray

Borevitz Lab, ANU

September 24, 2014

- ▶ Bioinformatics
- ▶ This Year, in Borevitz Lab:
  - ▶ TraitCapture Project Developer
  - ▶ Genomics (Low level seq. analysis)
  - ▶ Phenomics (Image analysis)
  - ▶ Sample tracking, data standards, HPC.
- ▶ Starting PhD in Bioinformatics Evolutionary Genomics next Feb/March

- ▶ Compilospecies = Invasive Composite Polyploid Species =  
Many grasses
- ▶ *Brachypodium* species
- ▶ Genomics is hard, large, weird, polyploid genomes
- ▶ Bottleneck is informatics
- ▶ Hence, project!