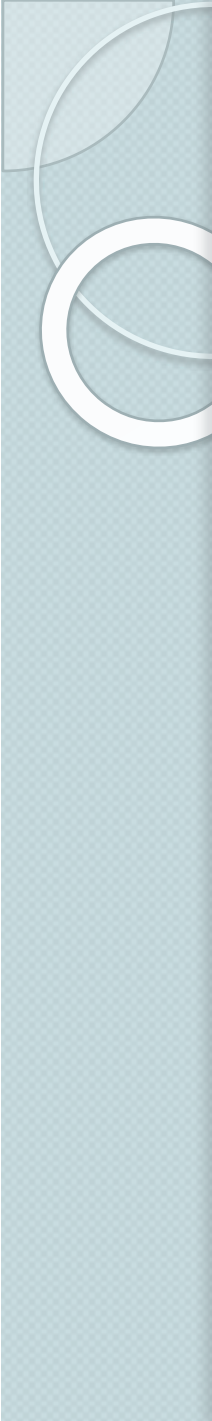




# SABER

Society for the Advancement of Biology Education  
Research

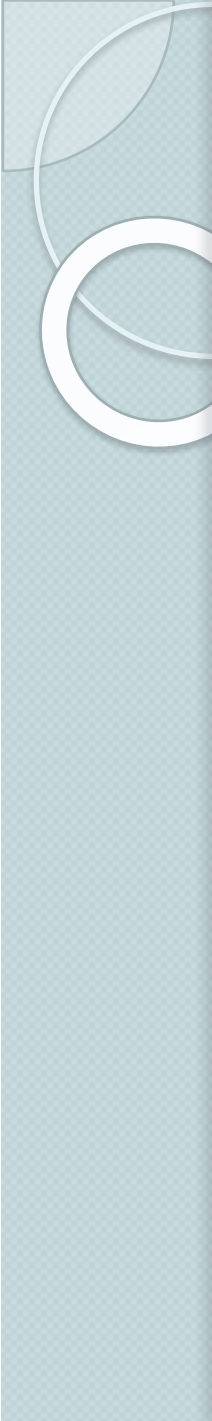
University of Minnesota, Minneapolis, MN July 14-17

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- Only 6 Canadian universities represented this year!
  - UBC, SFU, U. of Calgary, U. of Regina, York, Dalhousie
  - Plus Lisa McDonnell



# HOT TOPICS

- Scientist in the Spotlight
- Problem solving e.g. biochem, genetics, phylogenetic trees
- Meiosis: use of meiosis CI, important to make links between DNA, phenotype ploidy and meiosis to increase understanding
- Modelling: give data sets and students develop model or give model and students interpret
- Undergraduate research projects
- Commercial products, e.g. SIMBIO (incorporate feedback), ferrets for genetic drift
- Pre-reading guides

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- Cumulative vs noncumulative assessment (no difference in cumulative final)
  - Decrease text increase; visuals on slides increases learning gains
  - Group determination
  - Scale-up classrooms (small classrooms but cheap)
  - Active learning – the next generation
  - Clickers
  - Jargon



Next meeting

**SABER 2017 July 21, 22, 23**

**Fri. 1 p.m. – Sun. 5 p.m.**