

9th Annual Atwood Colloquium

April 11, 2014

Friday, April 11: Koffler House,
Rm 108

1:00 Opening Remarks

Moderator: **Emily Josephs**

1:05 **Celina Baines** (Rowe Lab, St. George) Context- and phenotype-dependent dispersal in a semi-aquatic insect

1:25 **Paul Simpson** (Thomson lab, St. George) Behavioural flexibility trumps the Marginal Value Theorem: A quantitative test using bumble bees and artificial flowers

1:45 **Julio Diaz-Caballero** (Guttman lab, St. George) Periodic Selection Drives *Pseudomonas aeruginosa* Diversity in the Cystic Fibrosis Lung

2:05 **Alfredo Barrera** (Weir lab, UTSC) Hybrid zones and hybrid speciation in Amazonia

2:25 Break

Moderator: **Arvid Ågren**

2:45 **Arthur Weis** (St. George) Asymmetric competition, frequency-dependent selection and the emergence of the “irrelevant fraction”

3:05 **Karma Nanglu** (Caron lab, ROM) Reconstructing the early evolution of the enteropneusts in light of new fossil finds from the Burgess Shale and modern decay experiments



3:25 **Aaron Allen** (Sokolowski lab, St. George) Pleiotropy and differential transcriptional regulation

3:45 **Pierre-Jean Male** (Frederickson lab, St. George) Evolutionary stability of mutualisms and control mechanisms: insights from ant-plant relationships

4:05 Break

4:20 Keynote Speaker – Dr. **Sinead Collins** (Edinburgh University)
Going off the deep end: the angst and awesome of making your own model system for marine experimental evolution

5:20 Reception at GSU pub



9th Annual Atwood Colloquium

April 12, 2014

Saturday, April 12: Koffler House, Room 108

9:00 coffee and bagels

Moderator: **Aaron Hall**

9:20 **Arvid Ågren** (Wright lab, St. George) Mating system shifts and transposable element evolution

9:40 **Richard Jovelin** (Cutter lab, St. George) Microevolution of nematode miRNAs reveals diverse regimes of selection

10:00 **Lanna Jin** (Fortin lab, St. George & Cadotte lab, UTSC) Can range size and phylogeny explain montane plant assembly?

10:20 **Martin Turcotte** (Johnson Lab, UTM) The impact of domestication on plant-herbivore interactions

10:40 Break

11:00 Keynote speaker: Dr. **Meghan Duffy** (University of Michigan) Influences of the larger food web on focal host-parasite interactions

12:00 Lunch (provided) Koffler house, 2nd floor

1:30 Blurb session 1: Moderator: **Susana Wadgyamar**

Greg Stegeman	(Cutter lab, St. George)
Maya Faccio	(Weir lab, UTSC)
Colin Daniel	(Fortin lab, St. George)
Daniel Anstett	(Johnson lab, UTM)
Michelle DiLeo	(Wagner lab, UTM)

1:45 **Ruben Cordero** (Currie lab, ROM) The aquatic insects of Arctic Canada: from community composition to population structure

2:05 **Derek Larson** (Evans lab, ROM) Disparity Dynamics of Small Theropod Dinosaur Tooth Assemblages from the Late Cretaceous of North America

2:25 **Aneil Agrawal** (St. George) Why is inbreeding depression stronger in some environments than others?

2:45 Blurb Session 2

Laura Heslin-Piper	(Raboy lab, St. George)
Sarah Steele	(Lopez-Fernandez lab, ROM)
Dachin Frances	(McCauley lab, UTM)
Oscar Vasques	(Sokolowski lab, St. George)
Emily Dutton	(Frederickson lab, St. George)

3:00 Break

Moderator: **Audrey Reid**

3:20 **Pasan Samarasin** (Shuter lab, St. George) Fish diversity in Northern Canadian lakes: A comparative study

3:40 **Viviana Astudillo** (Lopez-Fernandez lab, ROM) Ecomorphological Diversification of Neotropical Cichlids

4:00 **Chris Searcy** (McCauley lab, UTM) Discovering the climatic niche: a combined spatial and temporal approach

4:20 **Stuart Campbell** (Barrett lab & Wright lab, St. George) Plant mating systems, ecological interactions and the evolution of floral scent

4:40 Break

5:00 Atwood Memorial Lecture, Dr. **Dolph Schluter** (University of British Columbia) Speciation and latitude

6:30 Grad Appreciation Night at the Faculty Club