

# FRIDAY APRIL 10

KOFFLER HOUSE, ROOM 108

## 1:30 OPENING REMARKS– NICOLE MIDEO

Moderator: Marie-Josée Fortin

## 1:35 ALEXANDER WATTS (FORTIN LAB, ST. GEORGE)

Mediating effects of landscape spatial heterogeneity on the spread potential of Lyme disease

## 1:55 OSCAR VASQUEZ (SOKOLOWSKI LAB, ST. GEORGE)

Mediating phenotypic plasticity at the molecular level: a study of the foraging gene in *Drosophila melanogaster*

## 2:15 PAOLA PULIDO–SANTACRUZ (WEIR LAB, UTSC)

Extinction as a key driver of avian latitudinal diversity gradients

## 2:35 MITCH DANIEL (RODD LAB, ST. GEORGE)

Predicting male mating effort in response to female quality, competition and relatedness among males

## 2:55 BREAK

Moderator: Stephen De Lisle

## 3:20 LUKE MAHLER (ST. GEORGE)

Island biogeography of *Anolis* lizards in the Anthropocene

## 3:40 DANIEL ANSTETT (JOHNSON LAB, UTM)

Latitudinal gradients in herbivory and defence in *Oenothera biennis*

## 4:00 KELLY CARSCADDEN (CADOTTE/GILBERT LABS, UTSC)

Trait choice and dimensionality alter estimates of species similarity

## 4:20 STEPHEN DE LISLE (ROWE LAB, ST. GEORGE)

Resource competition and the evolution of sexual dimorphism

## 4:40 BREAK

## 5:00 ATWOOD MEMORIAL LECTURE

**DR. SARAH OTTO (UNIVERSITY OF BRITISH COLUMBIA)**

Genomic scope of adaptation for yeast that must adapt or die in the face of environmental change

## 6:00 SOCIAL EVENT

2<sup>ND</sup> FLOOR, GRADUATE STUDENT UNION PUB

# SATURDAY APRIL 11

## 9:00 COFFEE & BAGELS

Moderator: Ken Thompson

## 9:20 PEIPIJN LUIJCKX (AGRAWAL/KRKOSEK LABS, ST. GEORGE)

*Brachionus calyciflorus* evolves higher levels of sex with more loci under selection

## 9:40 ADRIANA SALCEDO (STINCHCOMBE/WRIGHT LABS, ST. GEORGE)

Demographic and adaptive history of the tetraploid weed *Capsella bursa-pastoris*

## 10:00 AARON LEBLANC (REISZ LAB, UTM)

The evolution of dental batteries: new insights into tooth development from extinct reptiles

## 10:20 EMILY DUTTON (FREDERICKSON LAB, ST. GEORGE)

Trade-offs between attracting pollinators and ant bodyguards with nectar rewards

## 10:40 BREAK

## 11:00 KEYNOTE: RISING STAR IN EVOLUTION

**DR. EMMA GOLDBERG (UNIVERSITY OF MINNESOTA)**

Macroevolution of plant reproductive systems

## 12:00 LUNCH PROVIDED– 2<sup>ND</sup> FLOOR KOFFLER HOUSE

Moderator: Arvid Ågren

## 1:30 BLURB SESSION 1

**DAVID SMITH** (Mideo Lab, St. George)

**KRYSTAL NUNES** (Kotanen Lab, UTM)

**STEPHANIE MARK** (Cutter Lab, St. George)

**DEVIN KIRK** (Krkosek Lab, St. George)

**DIOGO DE LAVAREDA MEDEIRO** (Weir Lab, UTSC)

## 1:45 JULIO RIVERA (CURRIE LAB, ROM)

Let us pray: building a phylogenetic foundation for evolutionary research in praying mantises (*Insecta: Mantodea*)

## 2:05 LUCIANA BARUFFALDI (ANDRADE LAB, UTSC)

Species-specific responses of male widow spiders to sex pheromones are the exception, not the rule

- 2:25 MELISSA OROBKO (KRKOSEK LAB, ST. GEORGE)**  
Alternate stable states and a disease trap in a fishery-aquaculture system
- 2:45 BLURB SESSION 2**  
**CYLITA GUY** (Ratcliffe/Mideo Lab, UTM)  
**JACKIE AWAD** (Raboy Lab, St. George)  
**KEN THOMPSON** (Johnson Lab, UTM)  
**SHANNON MEADLEY DUNPHY** (Frederickson Lab, St. George)  
**DENON START** (Gilbert Lab, St. George)
- 3:00 BREAK**  
Moderator: Derek Larson
- 3:20 KRISTA PATRIQUIN (RATCLIFFE LAB, UTM)**  
Causes & consequences of fission-fusion dynamics in bats
- 3:40 THOMAS CULLEN (EVANS LAB, ROM)**  
Evaluating osteohistological variation in growth marks and osteocyte lacunar density: a case study using theropod dinosaurs
- 4:00 JANICE TING (CUTTER LAB, ST. GEORGE)**  
Attack of the killer sperm
- 4:20 BREAK**
- 4:40 KEYNOTE: RISING STAR IN ECOLOGY**  
**DR. LOUIE YANG (UNIVERSITY OF CALIFORNIA, DAVIS)**  
Pulses, phenology and ontogeny: Towards a more temporally explicit framework for species interactions?
- 6:30 GRADUATE APPRECIATION NIGHT**  
**UNIVERSITY OF TORONTO FACULTY CLUB**

Dr. Carl Atwood was a respected forest entomologist, ecologist, and naturalist who taught at the University of Toronto from 1946 to 1972.

Each year, the EEB graduate students select a scientist of high distinction whose work embodies Dr. Atwood's dedication to the ecological sciences to give a lecture in his honour. This lecture series is made possible by a generous endowment from the Atwood family.

The EEB Colloquium was organized by Nicole Mideo, Benjamin Gilbert, Rebecca Batstone, Cylita Guy, Emily Dutton, Shannon Meadley Dunphy, Mackenzie Urquhart-Cronish, Rowshyra Castaneda, Sophia Lavergne, Charlotte de Keyzer, and Rachel Germain.

# ATWOOD COLLOQUIUM IN ECOLOGY AND EVOLUTION

FRIDAY APRIL 10TH – SATURDAY APRIL 11, 2015  
UNIVERSITY OF TORONTO

**KOFFLER HOUSE  
ROOM 108**



**ATWOOD LECTURER**  
**DR. SARAH OTTO**  
UNIVERSITY OF BRITISH COLUMBIA

**RISING STAR IN ECOLOGY**  
**DR. LOUIE YANG**  
UNIVERSITY OF CALIFORNIA, DAVIS

**RISING STAR IN EVOLUTION**  
**DR. EMMA GOLDBERG**  
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