

ATWOOD COLLOQUIUM IN ECOLOGY & EVOLUTION

APRIL 15TH – 16TH, 2016

UNIVERSITY OF TORONTO
KOFFLER HOUSE, ROOM 108



RISING STAR IN EVOLUTION

Britt Koskella

RISING STAR IN ECOLOGY

Rob Pringle

ATWOOD LECTURER

Hopi Hoekstra

FRIDAY, 15th APRIL

1:30 Opening remarks

Moderator: Ken Thompson

1:35 **Denon Start** | Gilbert Lab, St. George

Host-parasitoid evolution in a metacommunity

1:55 **Charlotte de Keyzer** | Thomson Lab, St George

Practical implications of the spatiotemporal duality of phenological data

2:15 **Sebastian Kvist** | ROM

Evolution of bloodfeeding in leeches: from taxa to genomes

2:35 **Vanessa Lundsgaard-Nielson** | T. Sage Lab, St. George

Reactive carbonyl species and the heat stress response during plant reproduction

2:55 **BREAK**

Moderator: Christopher Blackford

3:20 **Colin Daniel** | Fortin Lab, St. George

The uncertain future facing woodland caribou in Ontario

3:40 **Mark MacDougall** | Reisz Lab, UTM

The unique preservational environment of the Early Permian Richards Spur locality of Oklahoma

4:00 **Joanna Bundus** | Cutter Lab, St. George

Exploring the genetic basis of asymmetric post-zygotic reproductive isolation

4:20 **Devin Kirk** | Krkosek Lab, St. George

Thermal dependencies of infectious disease dynamics

4:40 **BREAK**

5:00 **Britt Koskella** | University of California, Berkeley

RIISING STAR IN EVOLUTION

Bacteria-phage interactions within a long-lived host: how they happen and why they matter

6:00 **SOCIAL at GSU PUB**

*The Atwood Colloquium in Ecology and Evolution
was organized by*

Nicole Mideo, Luke Mahler, Charlotte de Keyzer,
Sophia Lavergne, James Boyko, Rosie Martin,
Viviana Astudillo, Danielle de Carle, Michael Foisy,
Sophie Qin, Tess Grainger, Tsukushi Kamiya
& Mitch Daniel.

SATURDAY, 16th APRIL

9:00 Bagels & Fruit

Moderator: Nishant Singh

9:30 **Rosalind Murray** | McCauley & Rowe Labs, UTM & St. George
The evolution of female-specific ornaments: a comparative approach in the dance flies

9:50 **Matt Stata** | R. Sage Lab, St. George
How convergent is convergent evolution? Case studies in C4 photosynthesis

10:10 **Dave Smith** | Mideo Lab, St. George
Veering towards virulence: modelling the evolution of HIV-1 in response to prophylactic drug treatment

10:30 **Kentaro Chiba** | Evans Lab, ROM
Reassessment of growth curve reconstruction in extinct tetrapods using extant relatives

10:50 **BREAK**

11:15 **Rob Pringle** | Princeton University
RISING STAR IN ECOLOGY
The community ecology of African savannas

12:15 **LUNCH**

Moderator: Joanna Bundus

1:30 Elevator Talks

Julia Kreiner | Wright & Stinchcombe Labs, St. George

Alexandre Martensen | Fortin Lab, St. George

Tsukushi Kamiya | Mideo Lab, St. George

Jeneni Thiagavel | Ratcliffe Lab, UTM

Haley Branch | R. Sage Lab, St. George

Arjan Banerjee | Stefanovic Lab, UTM

Rowshyra Castaneda | Mandrak Lab, UTSC

1:45 **Peter Molnar** | UTSC
Parasites in a changing climate: a life history perspective

2:05 **Rebecca Batstone** | Frederickson Lab, St. George
Root foraging and mutualism-stabilizing traits in the model legume
Medicago truncatula

2:25 **Matty Hartfield** | Agrawal & Wright Labs, St. George
Gene genealogies of facultative sexual organisms

2:45 Elevator Talks
Jason Laurich | Frederickson Lab, St. George
Donglin Wang | Short Lab, UTM
James Boyko | Mahler Lab, St. George
Stefanie Sultmanis | T. Sage Lab, St. George
Tyler Kent | Wright Lab, St. George
Juan Sebastian Vargas Soto | Molnar Lab, UTSC
Colin Bonner | Weis Lab, St. George

3:00 **BREAK**

3:20 **Felix Beaudry** | Wright Lab, St. George
Genomic deletion and silencing on the Y chromosomes of *Rumex hastatulus*

3:40 **Frances Hauser** | López-Fernández & Chang, ROM & St. George
Molecular evolution of Neotropical cichlid visual genes reflects macroevolutionary transitions

4:00 **Luke Frishkoff** | Mahler & Fortin Labs, St. George
Synergistic community responses to land-use and climate change

4:20 **Ken Thompson** | Johnson Lab, UTM
A pair of star-crossed (c)lovers

4:40 **BREAK**

5:00 **Hopi Hoekstra** | Harvard University
ATWOOD LECTURER
Digging for genes that contribute to behavior

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.