

Atwood Colloquium in Ecology and Evolution

April 8-9, 2011

Department of Ecology and Evolutionary Biology
University of Toronto

KEYNOTE SPEAKERS:

ECOLOGY:

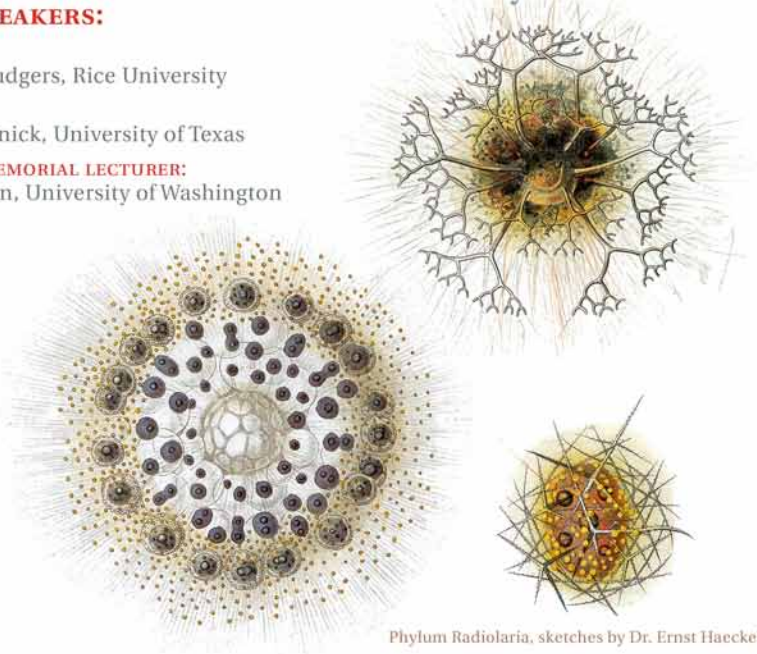
Dr. Jennifer Rudgers, Rice University

EVOLUTION:

Dr. Daniel Bolnick, University of Texas

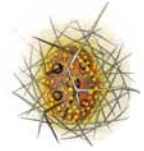
CARL ATWOOD MEMORIAL LECTURER:

Dr. Ray Hilborn, University of Washington



Phylum Radiolaria, sketches by Dr. Ernst Haeckel

FRIDAY, APRIL 8, 2011



1:00 Locke Rowe and John Stinchcombe

Opening remarks

1:10 Jason Weir, UTSc

Latitudinal gradients in evolutionary rates of courtship vocalizations in birds and anurans

1:30 Caren Scott, STG, Zimmerman Lab

The effects of the environment of benthic algal production

1:50 Joanna Kozłowska, STG, Cutter Lab

Patterns of post-zygotic isolation among genetically diverse strains of *Caenorhabditis briggsae* and *Caenorhabditis sp. 9*

2:10 Tim Dickinson, ROM

Hawthorns and William Blake: persistence, if nothing else.

2:30 BREAK

2:50 Michael Staniewski, UTM, Short Lab

Grazer and viral-mediated mortality of freshwater phytoplankton

3:10 Takashi Makino, STG, Thomson Lab

Bumble bee preference for flowers arranged on a horizontal plane versus inclined planes

3:30 Lina Arcila-Hernandez, STG, Frederickson Lab

The nutritional ecology of a tropical aboreal ant and its implications for an ant-plant mutualism

3:50 Mark Fitzpatrick, UTSc

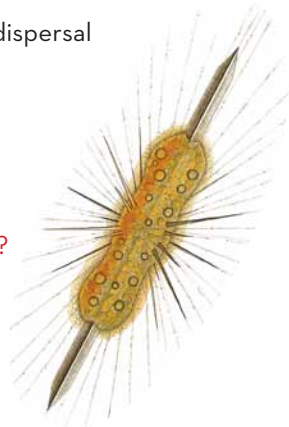
A genetic link between foraging and dispersal

4:10 BREAK

4:30 Dan Bolnick, University of Texas

Adaptation without natural selection?

5:30 Reception at the GSU



SATURDAY, APRIL 9, 2011

9:00 COFFEE AND BAGELS

9:20 **Nicolás Campione, ROM, Evans Lab**

Patterns of limb scaling in extant mammals and reptiles: implications for body mass estimation in extinct taxa

9:40 **Caroline Tucker, UTSc, Cadotte Lab**

Species trade-offs explain more than just intermediate disturbance patterns

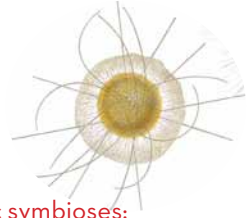
10:00 **Nathaniel Sharp, STG, Agrawal Lab**

The effects of genetic quality on the mutation rate in *Drosophila melanogaster*

10:20 **Helene Wagner, UTM**

What determines extinction and colonization dynamics in fragmented calcareous grasslands?

10:40 BREAK



11:00 **Jennifer Rudgers, Rice University**

Dynamics and consequences of mutualistic symbioses: investigating fungal endophytes in grasses

12:00 LUNCH

1:40 **Thomas Braukman, UTM, Stefanovic Lab**

Plastid genome evolution in myco-heterotrophic Ericaceae

2:00 **Melinda Pickup, STG, Barrett Lab**

Sex ratio variation in flowering plants

2:20 **Russell Dinnage, STG, Abrams Lab**

Species richness and phylogenetic diversity have opposing effects on invertebrate herbivory in an old field plant community

2:40 **Rudy Boonstra, UTSc**

Population dynamics of red-backed voles in North America

3:00 BREAK

3:20 Oliver Haddrath, ROM, Baker Lab

Untangling the branches of the avian tree: the biogeographic history of the large flightless birds known as the ratites

3:40 Florian Busch, STG, Sage Lab

C3 grasses minimize their carbon loss by re-assimilation of (photo-)respiratory CO₂

4:00 Khaled Hazzouri, STG, Wright Lab

Evolution of the selfing syndrome in *Capsella*

4:20 Ida Conflitti, ROM, Currie Lab

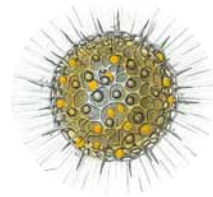
A 'complex' problem: delimiting sibling species boundaries in black flies (Diptera: Simuliidae)

4:40 BREAK

5:00 ATWOOD MEMORIAL LECTURE

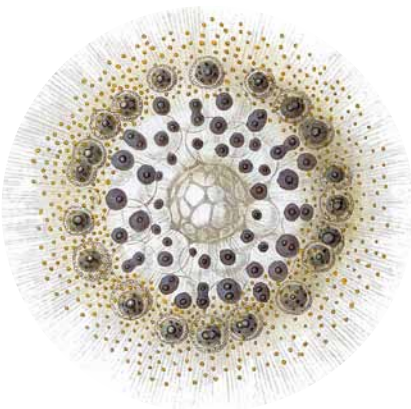
Ray Hilborn, University of Washington

Ecological challenges in sustaining food from the ocean



6:30 GRADUATE APPRECIATION NIGHT AT THE 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. The Atwood Lecture is given in conjunction with the EEB Colloquium, which takes place each spring. This lecture series is made possible by a generous endowment from the Atwood family.



The EEB Colloquium was organized by John Stinchcombe, Amanda Gorton, Brie Edwards, Caroline Tucker, Patrick Friesen, Jennifer Coughlan and Susana Wadgymar. We would like to thank all of the speakers that presented talks as well as the volunteers who helped make this event a success. Graphic design was donated by Gil Martinez for bigguystudio.ca