

EEB Colloquium 2010

Friday talks will be held in ESC 1050 (25 Willcocks St., St. George Campus).

Saturday talks will be held in Koffler Inst Pharmacy Mgmt (KP) 108 (569 Spadina Ave., St. George Campus)

Friday April 9 – ES 1050

1:00 Opening remarks

1:05 John Stinchcombe (St. George)
Ecological genetics of invasive *Arabidopsis* populations

1:25 Manu Esteve (PDF, McLennan Lab, St. George)
Amemasu and the phylogeny of behaviour: A tale from northern Japan

1:45 Andrew Drake (St. George, Harvey Lab)
Least-cost transportation networks predict spatial interaction of invasion vectors

2:05 Marie-Josée Fortin (St. George)
Spatial ecology: How movement is key to maintain species

2:25 Break

2:45 Caleb Brown (Evans Lab, ROM)
The pattern and transition of bone texture on the frill of centrosaurine (horned) dinosaurs: implications for ontogeny and taxonomy

3:05 Liz Nelson (Thomas Lab, St. George)
Yukon tree rings and winter warming: Effect of early thaw events on white spruce and lodgepole pine growth

3:25 Lutz Becks (PDF, Agrawal Lab, St. George)
Dispersal between differentially selective environments increases the rate of sex in cyclic parthenogens

3:45 Alivia Dey (St. George, Cutter Lab)
Nucleotide polymorphism in outcrossing species of the genus *Caenorhabditis*

4:05 Break

4:20 Keynote Speaker – Dr. Patrik Nosil (U Colorado)
Natural selection and the (incomplete) formation of new species

5:20 Reception in GSU Pub.

Saturday April 10

9:00 Coffee & bagels

9:20 Tony Golubski (PDF, Abrams Lab, St. George)
An interaction modification framework for mutualism

9:40 Anuar Rodrigues (Stefonovic Lab, UTM)
Molecular systematics of the parasitic plant genus *Conopholis* (Orobanchaceae)

10:00 Peter Kotanen (UTM)
Escape of invasive plants from their natural enemies: the role of relatives

10:20 Emma Harrower (ROM, Moncalvo Lab)
Creating barcode similarity groups to organize *Cortinarius* sequences

10:40 Break

11:00 Keynote Speaker – Dr. Helene Muller-Landau (Smithsonian Tropical Research
Institute & U Minnesota)
The tolerance-fecundity tradeoff and the maintenance of diversity in seed size

12:00 Lunch provided - 3rd floor of ESC (by EEB Admin Offices)

1:30 Megan Fredrickson (St. George)
Ant-plant interactions in tropical forests

1:50 Mathieu Siol (PDF, Barrett Lab, St. George)
De novo assembly of a floral transcriptome

2:10 Sean Clark (Rowe/Agrawal Labs, St. George)
Effect of dominant deleterious mutations on sperm competitive ability in
Drosophila melanogaster

2:30 Jessica Arbour (Lopez-Fernandez Lab, ROM)
Comparative functional morphology of Neotropical geophagine cichlids

2:50 Break

3:10 Gurbir Perhar (Arhonditsis Lab, UTSc)
From the Microscopic to the Macroscopic: The incorporation of highly unsaturated
fatty acids into plankton population models processes

3:30 Stephen Wright (St. George)
How much selection is acting on plant genomes?

3:50 Jeff Stoltz (Andreade Lab, UTSc)
Mechanisms of sexual selection

4:10 Break

4:30 ATWOOD MEMORIAL LECTURE Dr. Ruth Shaw (University of Minnesota)
Demographic consequences of evolutionary change in fragmented populations of a
prairie plant, *Echinacea angustifolia*

6:30 Graduate Appreciation Night at the Faculty Club