All talks will be held in Koffler Inst Pharmacy Mgmt (KP) 108.

**Friday April 17**

1:00 Opening remarks

1:05 Andrew MacDonald (Kotanen Lab, UTM)  
Testing the assumptions and predictions of the Enemy Release Hypothesis

1:25 Thomas Braukmann (Stefanovic Lab, UTM)  
Concerted loss of all ndh genes from plastids of Gnetales and Pinaceae supports the ‘gnepine’ hypothesis

1:45 Alethea Wang (Agrawal Lab, St. George)  
Selection, epistasis and parent-of-origin effects on deleterious mutations across environments in *Drosophila melanogaster*

2:05 Nathan Muchhala (Thomson Lab, St. George)  
Comparison of male gain curves may explain why bat-flowers produce so much pollen

2:25 Break

2:45 Brie Edwards (Jackson Lab, St. George)  
Community approaches and concepts in the context of conservation

3:05 Ryan Schott (Evans Lab, ROM)  
Extreme cranial ontogeny in the dinosaur Stegoceras validum: implications for pachycephalosaurid systematics and evolution

3:25 Jim Anderson (UTM)  
Whole-genome sequencing of experimental yeast populations identifies determinants of divergent adaptation and reproductive isolation

3:45 Josie Hughes (Fortin Lab, St. George)  
Does density-dependent dispersal explain mountain pine beetle spread: performance of models across years and regions

4:05 Break

4:20 Keynote Speaker – Dr. Mark Urban (University of Connecticut)  
Ecology and evolution of species interactions across heterogeneous environments
5:20  Reception in GSU Pub.

Saturday April 18

9:00  Coffee & bagels

9:20  Shannon McCauley (Rowe Lab, St. George)
North American range size in libellulid dragonflies: correlations with dispersal behavior and niche breadth

9:40  Rosalind Murray (Cutter Lab, St. George)
Experimental evolution of sperm number in *Caenorhabditis elegans* hermaphrodites

10:20  Jacqueline Miller (Engstrom Lab, ROM)
From audible to ultrasound in vocal signals: a phylogenetic example

10:00  Peter Abrams (St. George)
The shape of density dependence

10:40  Break

11:00  Keynote Speaker – Dr. Leonie Moyle (Indiana University)
From genomics to GIS: origins of diversity and species in wild *Solanum*

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

1:30  Sarah Yakimowski (Barrett Lab, St. George)
Sexual system transitions: the roles of sex inconstancy and hybridization

1:50  Brechann McGoey (Stinchcombe Lab, St. George)
Made in the shade: Competitive context affects phenotypes, selection, and fitness in *Impatiens capensis*

2:10  Clement Kent (Sokolowski Lab, UTM)
Plasticity and gene by environment interactions - pleiotropic effects of the foraging gene on fly behaviours, metabolites, and gene expression

2:30  Shidan Murphy (Collins Lab, UTM)
Thermal habitat characteristics for warm water fish in coastal embayments of Lake Ontario

2:50  Break

3:10  Laura Robson (Gwynne Lab, UTM)
Measuring sexual selection on female Mormon crickets (Anabrus simplex), a sex-role reversed katydid (Orthoptera: Tettigoniinae)

3:30  Paul Foxe (Wright Lab, St. George)
Population Genetics of Mating System Transitions: Case Studies in Capsella and Arabidopsis

3:50  Kate Edwards (Jefferies Lab, St. George)
Nitrogen uptake by Carex aquatilis during spring thaw in Arctic wet sedge meadows

4:10 Break

4:30  ATWOOD MEMORIAL LECTURE
Dr. Mike Ryan (University of Texas at Austin)
Sexual Selection and Communication in the Tungara Frog: Brain, Behavior, and Evolution

6:00  Atwood Lecture Reception at Hart House (South Dining Room)