

The University of Kentucky

Center for Ecology, Evolution and Behavior

2006 Spring Research Symposium Thursday, May 11 Cameron Williams Lecture Hall, Plant Sciences Building

- 9:30** **Chris Schardl** (Plant Pathology, UK) - TBA
- 9:45** **Robert Ziemba** (Biology, Centre College) – Population genetics of Orconectid crayfishes in the Kentucky River basin
- 10:00** **Andrew Berry** (Biology, UK) – Mapping vertical structure change at Griffith Woods with LiDAR
- 10:15** **Megan Poulette** (Biology/Forestry, UK) – Single-tree effects of savanna trees and influence of invasive species on soil nutrient and C cycling and soil biota
- 10:30** **Matt Weand** (Forestry, UK) – Interactions between N and P cycles and microbial communities in northern hardwood forests
- 10:45** **Break**
- 11:00** **Keynote Speaker: Don Miles** (Ohio University) – Running through life: Ontogenetic shifts in locomotor performance
- 12:00** **Lunch**
- 1:00** **Kathryn Wilkinson** (Biology, UK) – Regeneration of Blue ash (*Fraxinus quadrangulata*) in the Inner Bluegrass region of Kentucky
- 1:15** **Andy Boring** (Entomology, UK) – Toward a phylogenetic classification of the braconid subfamily Euphorinae
- 1:30** **Tamara Sluss** (Kentucky State U) – Effects of turbulence on zooplankton community dynamics and grazing
- 1:45** **Yoriko Saeki** (Biology, UK) – Parasitism by a polyembryonic wasp affects growth and food consumption of black cutworms
- 2:00** **Break**
- 2:15** **Craig Sargent** (Biology, UK) – On the interaction between male sexual harassment and female-female competition in the western mosquitofish *Gambusia affinis*
- 2:30** **Gisela Garcia** (Biology, UK) – HIV infection dynamics and effects of a therapeutic-killer virus
- 2:45** **Susan Moser** (Entomology, UK) – Behavior of an invasive parasitoid species that results in intraguild predation
- 3:00** **Break**
- 3:15** **Tria Kinnard** (present by **Dave Westneat**) (Biology, UK) – Development of morphological and immunological variability in nestling house sparrows
- 3:30** **Erin Hladilek** (Entomology, UK) – Using stable isotopes ($\delta^{15}\text{N}$ and $\delta^{13}\text{C}$) to reveal trophic structure and trace carbon flow between ecosystem components
- 3:45** **Jeremiah Smith** (Biology, UK) – Gene order data from a model amphibian (*Ambystoma*): New perspectives on vertebrate genome structure and evolution
- 4:00** **Chunjie Li** (Lanzhou University, China) – Biological and ecological features of *Neotyphodium endophytes* and *Achnatherum inebrians* association in China
- 4:15** **Break**
- 4:30** **Keynote Speaker: Becky Fuller** (University of Illinois) – Evolution of color patterns and color vision in a killifish
- 7:30** **Social at Chuck's house** (soda, juice and snacks provided; BYOB)

Sponsored by the University of Kentucky Department of Entomology, the UK Department of Biology, the UK College of Agriculture and the UK Executive Vice President for Research



The University of Kentucky

Center for Ecology, Evolution and Behavior

2006 Spring Research Symposium Friday, May 12 Cameron Williams Lecture Hall, Plant Sciences Building

- 9:00** **Alberto Castro** (Entomology, UK) – Spiders communities of cantabrian evergreen oak forests
- 9:15** **Allison Smith** (Biology, U. Louisville) – Overcrowding, food and P limitation effects on resting egg production in *Daphnia lumholtzi*
- 9:30** **Phil Crowley** (Biology, UK) – Volunteers, public goods games, and the Red Queen
- 9:45** **Amanda Ensminger** (Biology, UK) – Strangers and brothers: A paternity game between house mice
- 10:00** **Cheryl Lindsay** (Entomology, UK) – The process of conducting a genus level revision
- 10:15** **Barb Sharanowski** (Entomology, UK) – Incorporating multiple alignment parameters in phylogenetic reconstruction
- 10:30** **Break**
- 10:45** **Kristen Harfmann** (Univ. Cincinnati) – The effects of habitat structure on behavior of invasive geckos
- 11:00** **John Sloggett** (Entomology, UK) – Egg composition of aphidophagous ladybird beetles
- 11:15** **Aaron Samson** (Entomology, UK) – Uptake of Cry1Ab-endotoxins by generalist predators in fields of *Bacillus thuringiensis* corn
- 11:30** **Chris Stieha** (Biology, UK) – The effects of spatial structure on sex ratio dynamics
- 11:45** **Laurent Gavotte** (Entomology, UK) – *Wolbachia* influence on *Aedes albopictus* larval resource competition
- 12:00** **Lunch**
- 1:00** **Corey Brelsford** (Entomology, UK) – Male mating competitiveness studies: comparison of *Aedes* mosquitoes with differing *Wolbachia* infection types
- 1:15** **Alison Cooperman** (Biology, U. Cincinnati) – Different secondary sexual traits reveal a common genetic quality of males
- 1:30** **Ashley Dowling** (Entomology, UK) – Historical ecology of dermanyssoid mites on Malagasy mammals
- 1:45** **Emilie Throop** (Biology, Berea College) **and Sean Clark** (Agriculture and Natural Resources, Berea College) – Land-use effects on ground beetle assemblages
- 2:00** **Piper Roby-Thomas** (Biology, U. Louisville) – Late autumn roosting behavior of silver-haired bats (*Lasionycteris noctivagans*)
- 2:15** **Break**
- 2:30** **Heather Farrington** (Univ. Cincinnati) – Phylogenetics of Darwin's finches
- 2:45** **James Harwood** (Entomology, UK) - Molecular tracking the role of generalist predators in complex soybean food webs
- 3:00** **Kevin Pitz** (Entomology, UK) – Evolution of mimetic color patterns in the genus *Capitoni* (Hymenoptera: Braconidae: Cenocoeliinae)
- 3:15** **Natasha Vanderhoff** (U. Louisville) – Juvenile American robin foraging: the role of environmental factors
- 3:30** **Craig Stillwell** (Entomology, UK) – Environmental effects on sexual size dimorphism: rearing host and temperature effects in a seed-feeding beetle
- 3:45** **Break**
- 4:00** **Keynote Speaker: Lynda Delph** (Indiana University) – Sexual dimorphism and sex-chromosome evolution: an evolutionary-genetic perspective from a dioecious plant, *Silene latifolia*

Sponsored by the University of Kentucky Department of Entomology, the UK Department of Biology, the UK College of Agriculture and the UK Executive Vice President for Research

