

The University of Kentucky

Center for Ecology, Evolution and Behavior

2010 Spring Research Symposium Thursday May 13 Cameron Williams Auditorium, Plant Sciences Building

- 9:30 **Glade Brosi**, UK Plant and Soil Sciences: Tall fescue- *Neotyphodium* mutualism and climate change
- 9:45 **Yanbing Zheng**, UK Statistics: Spatial-temporal statistical modeling of outbreaks of mountain pine beetle
- 10:00 **Craig Sargent**, UK Biology: Female density dependence and male-female sexual conflict in mosquitofish: An upside to pseudoreplication
- 10:15 **Craig Keathley**, UK Entomology: Armyworm feeding plasticity in response to leaf texture
- 10:30 **Liang Liang**, UK Forestry: Biomass and species composition dynamics of Central Appalachian Forests
- 10:45 **Break**
- 11:00 **Keynote Speaker Dr. Daniel Heath**, University of Windsor Great Lakes Institute for Environmental Research: Variation in salmon life history: the adaptive, the plastic, and the just plain strange
- 12:00 **Lunch**
- 1:00 **Kristen Short**, University of Cincinnati Dept. of Biological Sciences: Ephemeral fine-scale population structure during range expansion of an invasive gecko
- 1:15 **Yu Liang**, UK Forestry: Exotic invasive plants in Kentucky
- 1:30 **Anna Becker**, UTKnoxville, Ecology and Evol Biology: Population genetics of *Penstemon tenuiflorus* and *P. hirsutus*
- 1:45 **Bridget Sousa**, UK Biology: Mating patterns in a prairie passerine
- 2:00 **Kay Shenoy**, UK Biology: Effect of prolonged atrazine exposure on mating behaviors in male guppies
- 2:15 **Break**
- 2:30 **Heather Farrington**, University of Cincinnati Dept. of Biological Sciences: Extinction dynamics in populations of Darwin's finches
- 2:45 **Tim Sesterhenn**, UK Biology: Respiratory ecology of larval damselflies
- 3:00 **Andrea Bixby**, UK Entomology: Influence of endophyte (*Neotyphodium lolii*) infection of perennial ryegrass on susceptibility of the black cutworm (Lepidoptera: Noctuidae) to a baculovirus
- 3:15 **Steve Furches**, UTKnoxville, Ecology and Evol Biology: Chloroplast sequences and nuclear markers reveal contrasting patterns of diversity in *Sarracenia*
- 3:30 **Tracy Mackey**, University of Cincinnati Dept. of Biological Sciences: Habitat selection and overwintering survival of introduced wall lizard, *Podarcis muralis*
- 3:45 **Break**
- 4:00 **Keynote Speaker Dr. John Jaenike**, University of Rochester Dept. of Biology: Adaptation via symbiosis: recent spread of a *Drosophila* defensive symbiont
- 7:30 Social at Chuck Fox's house

Sponsored by the University of Kentucky Center for Ecology, Evolution and Behavior, the UK Department of Entomology, UK Department of Biology, the UK College of Agriculture, the Tracy Farmer Institute for Sustainability and the Environment



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2010 Spring Research Symposium Friday May 14 Room N-12, Agricultural Sciences Center North

- 10:00 Philip Crain**, UK Entomology: Analyzing the effects of *Wolbachia*-insect symbioses on individuals and populations
- 10:15 Mark Goodman**, UK Entomology: Endosymbionts in the bed bug
- 10:30 Chris Romanek**, UK Earth and Environmental Sciences: The application of stable isotopes in ecological studies
- 10:45 Break**
- 11:00 Keynote Speaker Dr. Heather Reynolds**, Indiana University Dept. of Biology: Exotic plant invasions: putting the pieces of the puzzle together
- 12:00 Lunch**
- 1:00 Damon Orsetti**, UK Biology: The function of rejection behavior by female *Leptinotarsa decemlineata*
- 1:15 Madhu Srinivasan**, UK Biology: Vegetation - environment relationships in the montane grasslands of the Nilgiris, India
- 1:30 Chuck Fox**, UK Entomology: Inbreeding depression increases with environmental stress: An experimental study and meta-analysis
- 1:45 Heather Govert**, Eastern Kentucky University Dept. of Biological Sciences: Parental retrieval of offspring in the convict cichlid, *Amatitlania siquia*
- 2:00 Cheryl Lindsay**, UK Entomology: Glucose phosphate isomerase is a gene of major effect in caste development by a polyembryonic wasp
- 2:15 Break**
- 2:30 Amanda Ensminger**, UK Biology: Foraging complexity in house sparrows: Personality, plasticity, or both?
- 2:45 Darby Harris**, UK Plant Physiology: Genetic modification in cellulose-synthase reduces crystallinity and improves biochemical conversion to fermentable sugar
- 3:00 Jason Wulff**, UK Entomology: Does the bacterial symbiont *Arsenophonus* protect soybean aphid from parasitism?
- 3:15 Michael Shouse**, UK Forestry: Modeling invasive plants in urban forest remnants
- 3:30 Keynote Speaker Dr. Greg Grether**, UCLA Dept. of Ecology and Evolutionary Biology: The evolutionary ecology of interspecific aggression

Evening Dinner with speakers

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