

The University of Kentucky

Center for Ecology, Evolution and Behavior

2003 Spring Research Symposium Thursday, May 22 Ag North, Room N12

- 9:00 **Janet Lensing (Entomology, UK)** – Response of arthropods to altered rainfall as predicted by global climate change models
- 9:15 **Brad Dickey (Biology, UK)** – Social rank and predators: who gets nailed?
- 9:30 **Jaime Johnson (Biological Sciences, UK)** – The endocrine response of rainbow trout (*Oncorhynchus mykiss*) during gradual acclimation to seawater
- 9:45 **Kevin Pitz (Entomology, UK)** – Cladistic revision of the of the parasitic wasp genus *Capitonius*, and what I hope it will reveal about the evolution of mimetic color patterns and the evolution of strategies to parasitize wood-feeding beetles
- 10:00 **Steve Dobson (Entomology, UK)** – Ecology and evolution of *Wolbachia* infections in mosquitoes.
- 10:15 **Jordi Moya-Laraño (Entomology, UK)** – Multispecies responses in simple experiments: is MANOVA the most appropriate approach?
- 10:30 **Damon Orsetti (Biology, UK)** – Size and age affects on mating behavior in a leaf beetle (*Leptinotarsa decemlineata*)
- 10:45 **Break**
- 11:00 **Keynote Speaker: Susan Mopper (University of Louisiana, Lafayette)** – Herbivores, hormones, and salinity stress in *Iris hexagona*, a native wetland plant
- 12:00 **Lunch**
- 1:00 **Craig Stillwell (Entomology, UK)** – Thermal evolution of life history traits: The effect of temperature during development and egg laying
- 1:15 **Linda Fuselier (Biology, UK)** – Habitat use by the sexes of a dioecious liverwort
- 1:30 **Angela Amarillo (Entomology, UK)** – Egg laying decisions and oviposition patterns in a seed beetle.
- 1:45 **Craig Sargent (Biology, UK)** – Visual ecology of iridescent breeding coloration in a poeciliid fish
- 2:00 **Jamee Hubbard (Entomology, UK)** – Biology and management of calico scale on central Kentucky horsefarms
- 2:15 **Break**
- 2:30 **Carlos Sarmiento (Entomology, UK)** – Mandible shape, nest construction materials and feeding habits in neotropical social wasps (Vespidae: Polistinae)
- 2:45 **Ian Stewart (Biology, UK)** – West Nile virus in house sparrows: current and future research
- 3:00 **Cora Allard (Entomology, UK)** – Effect of diet on the reproductive biology of the harvestman *Phalangium opilio* (Opiliones: Phalangidae)
- 3:15 **David Wise (Entomology, UK)** – Trophic cascades in a brown world.
- 3:30 **Sean Clark (Berea College)** – Ground beetle communities in conventional and organic agroecosystems
- 3:45 **Mike Sharkey (Entomology, UK)** – The role of sexual selection in the development of bipedalism and encephalization in human evolution
- 4:00 **Break**
- 4:15 **Keynote Speaker: Rob Colwell (University of Connecticut)** – Modeling patterns of species richness on geographical scales
- 6:30 **Ultimate Frisbee, Good Barn Field**
- 7:30 **Social at Chuck's house**

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- 9:15 **Meg Hatch (Biology, UK)** – What is parental care in house sparrows?
- 9:30 **Lynne Rieske-Kinney (Entomology, UK)** – Blight resistance influences herbivore pressure: Interaction among stressors in the chestnut system
- 9:45 **Jeff Markert (Biological Sciences, University of Cincinnati)** – A direct comparison of inbreeding, heterozygosity, and fitness in Darwin's finches
- 10:00 **Jeremiah Smith (Biology, UK)** – Genetic analysis of amphibian sex determination
- 10:15 **Sanh Kin Diep (Biology, UK)** – Killer babes in the spider world: a model on sexual cannibalism
- 10:30 **Break**
- 10:45 **Scott Gleeson (Biology, UK)** – Resource isoclines and nitrogen saturation
- 11:00 **Sergejs Berdnikovs (Biological Sciences, University of Cincinnati)** – The evolution of sexual dimorphism in mustelids
- 11:15 **Yibayiri Osie Sanogo (Entomology, UK)** – *Wolbachia* induced cytoplasmic incompatibility levels in *Culex pipiens* mosquitoes
- 11:30 **Phil Hall (Biological Sciences, University of Cincinnati)** – Fitness costs of resistance in a natural host-parasite system under variable environmental conditions
- 11:45 **Marica Bernstein (Biological Sciences, University of Cincinnati)** – The impact of protein malnutrition & rehabilitation on growth in mammals
- 12:00 **Lunch**
- 1:00 **Keynote Speaker: Sam Scheiner (National Science Foundation)** – Measuring natural selection: were Lande and Arnold wrong?
- 2:00 **Break**
- 2:15 **James Wagner (Transylvania University)** – Women scientists: 9.3 minutes of fame
- 2:30 **Jason Rohn (Biology, UK)** – Pesticides, competition, predation, and disease: Thoughts and preliminary data on how they affect freshwater communities
- 2:45 **Melissa Maynard (Biological Sciences, University of Cincinnati)** – Functional morphology of swallowing in primates
- 3:00 **Eric Marsland (Entomology, UK)** – *Wolbachia* infection dynamics in *Aedes albopictus*
- 3:15 **Randall Voss (Biology, UK)** – Genetic analysis of metamorphic timing in ambystomatid salamanders
- 3:30 **Charles Fox (Entomology, UK)** – Mortality plateaus: defining the null and explaining the pattern
- 3:45 **Break**
- 4:00 **Keynote Speaker: Rosemary Gillespie (University of California at Berkeley)** – Evolution of spiders on oceanic islands: the venture of few and gain of many

Friday night on the town: Ian Stewart, coordinator