

The University of Kentucky

Center for Ecology, Evolution and Behavior

2007 Spring Research Symposium Thursday, May 10 Ag Science Center North, room N12

- 10:00** Nathan Klar (Biology, UK) – Organization for Tropical Studies: Costa Rica 2007
- 10:15** John Sloggett (Entomology, UK) - Studying chemical defense and intraguild predation in aphidophagous ladybird beetles using GC-MS
- 10:30** Tim Sesterhenn (Biology, UK) – Natural injury in the streamside salamander *Ambystoma barbouri*
- 10:45** Break
- 11:00** Keynote Speaker: Dan Brooks (University of Toronto) – Integrating historical and ecological biogeography: The taxon pulse meets the species-area relationship
- 12:00** Lunch
- 1:00** Phil Crowley (Biology, UK) – Evolutionarily stable sex ratios in polyembryonic wasps
- 1:15** Cassandra Gipson (Psychology, UK) – Pigeons' coding strategies in a radial-arm maze analog task
- 1:30** Andy Boring (Entomology at UK) – Hymenoptera harpoons: Structure and function of the ovipositor notch in parasitoid Hymenoptera
- 1:45** Yoriko Sakei (Biology, UK) – Brood size adjustment in the polyembryonic wasp, *Copidosoma bakeri*
- 2:00** Dan Wetzel (Biology, UK) – Parental investment and male ornamentation in the eastern bluebird
- 2:15** Break
- 2:30** Susan Moser (Entomology, UK) – Larval feeding on transgenic corn by predacious coccinellids
- 2:45** Damon Orsetti (Biology, UK) – Sperm transfer's time
- 3:00** Ashley Dowling (Entomology at UK) – Evolution of parasitism in dermanyssoid mites
- 3:15** Richard Boyce (NKU) – Initial response of forest plant communities to Amur honeysuckle removal in the Ohio River valley
- 3:30** Holly Miller (Psychology, UK) – The use of a neutral future event as a cue for choice by pigeons
- 3:45** Break
- 4:00** Keynote Speaker: Deborah Goldberg (University of Michigan) – Community processes underlying patterns across environments
- 7:30** Social at Ashley Dowling'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



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2007 Spring Research Symposium

Friday, May 11

Ag Science Center North, room N12

- 10:00** **Sanh Kin Diep** (Biology, UK) – A model of sexual cannibalism in spiders: exploring the importance of the effects of body condition on competition between two strategies of sexual cannibalism
- 10:15** **Chris Schardl** (Plant Pathology, UK) – Evolutionary co-divergence of grasses and their endophytes
- 10:30** **Neil Pederson** (EKU) – Accelerated growth rates in old trees & the surprisingly unimportance of CO₂
- 10:45** **Break**
- 11:00** **Keynote Speaker: Kevin McGraw** (Arizona State University) – Carotenoids as narcissistic agents of color evolution
- 12:00** **Lunch**
- 1:00** **Patricia Hartman** (Biology, UK) – Modeling the impact of alternative mating strategies on hybridization
- 1:15** **Corey Brelsfoard** (Entomology, UK) – Interspecific hybridization yields strategy for South Pacific filariasis vector elimination
- 1:30** **Amy Cavanaugh** (Biology, University of Louisville) – Does illness affect the axillary microflora of humans? A possible opportunity for pathogen-mediated sexual selection
- 1:45** **Kausalya Shenoy** (Biology, UK) – Endocrine disruption and male mating signals: effects on reproductive success and signal reliability
- 2:00** **Rob Page** (Biology, UK) – Morphometric and transcriptional analyses of induced metamorphosis in the Mexican axolotl
- 2:15** **Break**
- 2:30** **Randy Mercer** (Entomology, UK) – Competition in the western treehole mosquito: resource-grubbing males and new 'skeets on the block
- 2:45** **Michael Eskelson** (Entomology, UK) – Geographic variation in parapatric populations of the goldenrod gall-fly, *Eurosta solidaginis*
- 3:00** **Dave Maehr** (Forestry) – The Black Bear: The weevil-eaters of Weeki-Wachy
- 3:15** **Craig Stillwell** (Entomology, UK) - Geographic variation in body size and sexual size dimorphism of a seed-feeding beetle
- 3:30** **David Westneat** (Biology, UK) – Ecology of breeding in house sparrows: Timing and clutch size
- 3:45** **Ian Stewart** (Biology, UK) – Ecology of breeding in house sparrows: Infertility and hatching success
- 4:00** **Break**
- 4:10** **Keynote Speaker: Paul Ewald** (University of Louisville) – Evolution and emerging diseases: how to distinguish the few major threats from the many fizzlers
- Evening** Night on the town, coordinated by **Ian Stewart**

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