

The University of Kentucky

Center for Ecology, Evolution and Behavior

2008 Spring Research Symposium Thursday, May 8 Cameron Williams Auditorium, Plant Sciences Building

- 9:00** **Erin Hladilek** (Entomology, UK) – The spider and the fly: Examining resource utilization by generalist predators in the forest-floor food web
- 9:15** **Christina Brady** (Entomology, UK) – Incidence of white grubs (Coleoptera: Scarabaeidae) and their natural enemies in Kentucky turfgrass
- 9:30** **Derik Castillo-Guajardo** (Biology, UK) – A mathematical model predicting the progression of HIV-2 infection.
- 9:45** **Phil Crowley** (Biology, UK) – Sex, asex, and fitness.
- 10:00** **Eric Chapman** (Entomology, UK) – Parallel evolution of larval feeding behaviors in the snail-killing fly genus *Tetanocera* (Diptera: Sciomyzidae)
- 10:15** **Heather Wilson** (Forestry, UK) – Amur honeysuckle establishment in central Kentucky mature forests
- 10:30** **Break**
- 10:45** **Megan Poulette** (Forestry/Biology, UK) – Tree species and bush honeysuckle effects on ecosystem processes in a Bluegrass savanna.
- 11:00** **Ian Stewart** (Biology, UK) – Does dietary calcium affect melanin-based plumage traits in male house sparrows?
- 11:15** **Susan Moser** (Entomology, UK) – Lady beetle footprints deter intraguild predator
- 11:30** **Kacie Johansen** (Entomology, UK) – *Schlettererius cinctipes*: Relic population or introduced species?
- 11:45** **Koya Sugawara** (Plant Path, UK) – Distribution and morphology of endophytic fungi in host plants
- 12:00** **Lunch**
- 1:00** **Larry York** (Biology, UK) – Responses to nutrient competition in buffalo grass (*Buchloe dactyloides*)
- 1:15** **Matt Weand** (Plant and Soil Sciences, UK) – Title TBA
- 1:30** **Tim Sesterhenn** (Biology, UK) – Intraspecific aggression in damselflies
- 1:45** **Sanh Kin Diep** (Biology, UK) – Effect of deprivation and status signal on probing among house sparrows (*Passer domesticus*)
- 2:00** **Andrea Bixby** (Entomology, UK) – Tritrophic interactions and effectiveness of AgipMNVP for the control of black cutworm in turfgrass.
- 2:15** **Break**
- 2:30** **Skyler Speakman** (Statistics, UK) – A novel test for host-symbiont codivergence indicates ancient origin of fungal endophytes in grasses
- 2:45** **Keith Birchfield** (Forestry, UK) – The invasive shrub Amur honeysuckle has a longer leaf duration, and is more freeze tolerant, than potential native competitors
- 3:00** **Natalie Abram** (Biology, U. Louisville) – Temperature effects on the respiration rate of *Toxolasma parvus*.
- 3:15** **Amanda Ensminger** (Biology, UK) – Context-dependent boldness in house sparrows (*Passer domesticus*)
- 3:30** **Barb Sharanowski** (Entomology, UK) – Evolution of endoparasitism within Braconidae.
- 3:45** **Break**
- 4:00** **Keynote Speaker: Rick Relyea** (Biology, Univ. Pittsburgh) – Title TBA
- 7:30** **Social**

Sponsored by the University of Kentucky Department of Entomology, the UK Department of Biology, the UK College of Agriculture, the Barnhart Fund for Excellence, and the UK Cognitive Science Program



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2008 Spring Research Symposium

Friday, May 9

Cameron Williams Auditorium, Plant Sciences Building

- 9:00 Neil Pederson (Eastern Kentucky Univ.) – Images of a death spiral: Decline of hemlock woolly-adelgid infected trees
- 9:15 John Niedzwiecki (Biology, Belmont University) – Biased dispersal in Darwin's finches.
- 9:30 Susan Romero (Entomology, UK) – Influence of landscape structure on red flour beetle movement and oviposition patterns
- 9:45 Christine Lattin (Biology, ECU) – Differences in singing behavior between age classes in male Blue Grosbeaks (*Passerina caerulea*)
- 10:00 Andy Boring (Entomology, UK) – The structure and functional morphology of the ovipositor of *Homolobus truncator* (Hymenoptera: Ichneumonidae: Braconidae)
- 10:15 Julie Peterson (Entomology, UK) – Quantifying exposure pathways in carabid food webs: uptake of Bt-endotoxins from multiple transgenic events
- 10:30 Ninnia Lescano (Biology, U. Cincinnati) – Population genetics of an introduced wall lizard, *Podarcis muralis*.
- 10:45 Break
- 11:00 Keynote Speaker: Ann Rypstra (Zoology, Miami Univ.) – Who's afraid of the big bad wolf... spider?
- 12:00 Lunch
- 1:00 Jon Hastings (Northern Kentucky Univ.) – Regional variation in body size of cicada killer wasps, *Sphecius speciosus* (Hymenoptera: Crabronidae); does prey size determine wasp size?
- 1:15 Heather Farrington (Biology, U. Cincinnati) – Changes in genetic structure of Darwin's Finch populations over time – what ancient DNA methods can tell us.
- 1:30 Jason Courter (Biology, ECU) – Responses of flocks of Tufted Titmice to different-sized Raptors
- 1:45 Aaron Greene (Biology, U. Cincinnati) – Behavioral and genetic bases of resistance against ectoparasitic mites in *Drosophila*.
- 2:00 Anna Thomas (Entomology, UK) – Ecology, impact, and control of invasive slugs in North America.
- 2:15 Break
- 2:30 Ashley Allemang (Biology, U. Cincinnati) – Innate habitat preference in the invasive mourning gecko *Lepidodactylus lugubris*
- 2:45 Rick Boyce (Biology, Northern Kentucky U) – Title TBA
- 3:00 Emily Galbraith (Biology, U. Cincinnati) – Investigation of the role of context in female mate choice in *Schizocosa ocreata* (Hentz) wolf spiders.
- 3:15 Holly Miller (Psychology, UK) – Title TBA
- 3:30 Kristen Harfmann Short (Biology, U. Cincinnati) – Population genetics of the invasive gecko *Hemidactylus mabouia*.
- 3:45 Shira Gordon (Biology, U. Cincinnati) – Behavioral compensation for environmental constraints on seismic communication in wolf spiders.
- 4:00 Break
- 4:10 Keynote Speaker: Elizabeth Tibbetts (Univ. Michigan) – Wasps know each other's faces: visual communication in *Polistes*

Evening Night on the town, coordinated by Ian Stewart

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