

The 19th Annual Konza Prairie LTER Workshop

Saturday, March 28, 2009
Konza Prairie Biological Station – Cortelyou Lecture Hall

Oral Presentations (MORNING SESSION)

- 8:30 **John Blair**, Welcome and update on the status of the Konza Prairie LTER program
- 8:45 **Melinda Smith**, Aboveground productivity responses to fire and climate: the role of flowering; *Yale University*
- 9:00 **Angela Laws**, Biotic and abiotic controls on a plant – grasshopper – spider food chain; *Kansas State University*
- 9:15 **Alexander Reisinger**, Spatial and temporal variation of stream and riparian denitrification: The influence of riparian vegetation; *Kansas State University*
- 9:30 **Dan Whiting**, Longitudinal patterns of macroinvertebrate production, energy flow, and trophic structure in a tallgrass prairie stream; *Southern Illinois University*
- 9:45 **Sarah Bowe**, Exurbanization and woody expansion in the Flint Hills: the influence of habitat configuration on host ecology and rabies epidemiology; *Kansas State University*

30 MINUTE BREAK

- 10:30 **Alyssa Riley & Walter Dodds**, Stream ecosystem response to woody expansion; *Kansas State University*
- 10:45 **Joseph Craine**, Long term patterns of bison weight gain and grass flowering; *Kansas State University*
- 11:00 **Kevin Price**, Estimating Aboveground Net Primary Productivity (ANPP) of tallgrass prairie (1989-2007) at a regional scale using satellite remotely sensed measurements; *Kansas State University*
- 11:15 **Gwen Macpherson**, CO₂ Output from Konza N4d Stream; *University of Kansas*
- 11:30 **Jacqueline Ott & David Hartnett**, Belowground bud bank phenology and its contribution to grass plant architecture; *Kansas State University*
- 11:45 **Kendra McLauchlan**, Reconstructing vegetation, climate, and nutrient cycling using retrospective studies at Konza Prairie; *Kansas State University*

12:00-1:00-- Lunch & 1:00-1:30-- Poster Session

Oral Presentations (AFTERNOON SESSION)

- 1:30 **Sara Baer**, Past/Present/Future of restoration experiments at Konza; *Southern Illinois University*
- 1:50 **Ryan Klopff**, Ecosystem recovery after three years of restoration: effects of initial grass dominance and seed source; *Southern Illinois University*

- 2:05 **Elizabeth Bach**, Soil microbial response to native grass restoration; *Southern Illinois University*
- 2:20 **Loretta Johnson**, Ecotopic variation and drought tolerance of *Andropogon gerardii* across a precipitation gradient in Midwest grasslands; *Kansas State University*
- 2:35 **Jesse Nippert**, Plant responses to environmental heterogeneity; *Kansas State University*
- 2:55 **Anthony Joern**, Planning for the patch–burn experiment; *Kansas State University*
- 3:15 **John Briggs**, How many unburned watersheds do we need on KPBS? *Kansas State University*
- 3:35 **Weixin Cheng**, Partitioning responses of rhizosphere respiration and SOM decomposition to warming and altered precipitation, *UC Santa Cruz*
- 3:50 **John Blair**, Wrap up and next steps; *Kansas State University*
- 4:00 *Meeting of LTER PIs at Konza Prairie Headquarters (Hulbert Center)*
- 5:30 **BISON BURGER COOKOUT & SOCIAL**

Posters

1. Dan Carter, *Trajectories of recovery in tallgrass prairie restoration*; Kansas State University
2. Amanda Lease, *An ecological assessment of core and edge populations of two dominant Great Plains grasses: implications for climate change*; Colorado State University
3. Gail Wilson, K.R. Hickman & M.M. Williamson, *Alterations in soil function and biota by an invasive, non-native C4 grass*; Oklahoma State University
4. Kimberly Komatsu, *Drivers of grassland community structure: an assessment of the strength of bottom-up versus top-down control*; Kansas State University
5. David Hoover, *Altered precipitation due to climate change: modeling the ecological effects on the tallgrass prairie*; Colorado State University
6. Jodi Vandermyde & Kyle Winders, *Ecological integrity of prairie streams as influenced by patch-burn grazing and riparian protection*; Southern Illinois University
7. Page Klug, *Interactions between grassland birds and their snake predators: the potential for conservation benefits or conflicts in the tallgrass prairie*; Kansas State University
8. Ben VanderWeide, *The role of bud banks in tallgrass prairie stability and invisibility*; Kansas State University
9. Lance McNew, Andrew Gregory, Brett Sandercock, & Samantha Wisely, *Breeding season space use and habitat selection of female Greater Prairie-Chickens in the Flint Hills of Kansas*; Kansas State University
10. Brett Sandercock & Gail Wilson. *Research Experiences for Undergraduates at Konza Prairie Biological Station*; Kansas State University