

## FOURTH ECOLOGICAL GENOMICS SPRING WORKSHOP

**Saturday, May 6, 2006, 9:00 a.m. to 4:00 p.m.**

**Big 12 Room, K-State Union, Manhattan, Kansas**

- 8:30-9:00 Bagels and Beverages
- 9:00-9:10 Welcome remarks. **Loretta Johnson and Michael Herman**, Division of Biology.
- 9:10-9:30 *Molecular Ecology of the Upland Sandpiper: Moving towards a Genomics Approach.* **Brett Sandercock**, Samantha Wisely and Ashley Casey, Division of Biology.
- 9:30-9:50 *Environmental Influences on Root Development and Productivity in Tall Grass Prairie: Genomic and Molecular Approaches.* **Sanjay Kumar**, Tyler Suelter, Aparna G. Patankar, Loretta C. Johnson and Jyoti Shah, Division of Biology.
- 9:50-10:10 *Commandeering Host Gene Regulation as a Lifestyle: The Case of Bacterial Blight of Rice.* **Frank White**, Plant Pathology.
- 10:10-10:30 Break**
- 10:30-10:50 *Wheat Plant Gene Expression in Response to Russian Wheat Aphid Feeding.* **Mike Smith**, Xuming Liu, Elena Boyko, Sharon Starkey, John Reese, Andrea Ray-Chandler, and Ming Chen, Entomology; L. J. Wang, Biology.
- 10:50-11:10 *Arabidopsis Genome Response to Changes in Ambient Temperature.* **Erika Charbit**, Biology; Sanjoy Das, Electrical and Computer Engineering; William Hsu, Computer and Information Sciences; Judith Roe and Stephen Welch, Agronomy.
- 11:10-11:30 *Ecological Genomics of Termites.* **Srini Kambhampati**, Entomology.
- 11:30-1:00 Lunch and Ecological Genomics Targeted Excellence Quarterly Meeting**
- 1:10-1:30 *Diversification Character Evolution in the Plant Genus Phlox: Towards Unraveling the Functional Significance of Reproductive Character Position.* **Carolyn Ferguson**, Division of Biology.
- 1:30-1:50 *Direct or Indirect Effects?... Why do Nematodes Respond Differently to Environmental Changes?* Kenneth L. Jones (1), **Joseph D. Coolon** (1), **Joel Delp** (1), Timothy C. Todd (2), Ludek Zurek (3), John M. Blair (1), Michael A. Herman (1).  
(1) Division of Biology, (2) Dept. of Plant Pathology, (3) Dept. of Entomology.
- 1:50-2:10 *Arabidopsis thaliana - A Model for Root-associated Mutualisms?* **Stacie A. Kageyama**, Oregon State University; Keerthi Mandyam, Justin Trowbridge, and Ari Jumpponen, Division of Biology.
- 2:10-2:40 Break**
- 2:40-3:00 *Ecotoxicogenomics of a Small Mammal Community at the Tri-State Mining District.* **S.M. Wisely** (1), S.J. Brown (1), S. Narayanan (2), D. Gasper (3), C. Patricola-Simpson (1).  
(1) Division of Biology, (2) Diagnostic Medicine Pathobiology, (3) Veterinary Medicine.
- 3:00-3:20 *Comparative Genomics in the Tall Grass Prairie.* **Steve Travers**, Karen Garrett, Scot Hulbert, Jianfa Bai, and Amgad Saleh, Plant Pathology; John Blair, Biology; Jan Leach and Alan Knapp, CSU; Melinda Smith, Yale University; Jesse Nippert, KU; and Patrick Schnable, ISU.
- 3:20-3:40 *Hybrid Speciation, Transposable Elements, and Genome Evolution in Wild Sunflowers.* **Mark Ungerer**, Ying Zhen and Suzanne Strakosh, Division of Biology.
- 3:40-3:45 **Closing Comments**

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