

Genes in Ecology, Ecology in Genes

DoubleTree Hotel at Corporate Woods, Overland Park, Kansas

Saturday, October 2, 2004

- 8:00-9:00 Registration, Poster Set-up, and Breakfast Buffet
- Session chair: Jennifer Gleason, University of Kansas**
- 9:00-9:10 Introductions, **Drs. Loretta Johnson and Michael Herman**, Kansas State University;
Drs. Robert Cohen and Dan Crawford, University of Kansas
- 9:10-9:20 Welcome remarks, **Dr. James A. Guikema**, Associate Vice Provost for Graduate Research and Associate Dean of the Graduate School, Kansas State University
- 9:20-10:00 **Dr. Robert B. Jackson**, Duke University, "*Ecological genomics and ecosystems*"
- 10:00-10:40 **Dr. Joy Bergelson**, University of Chicago, "*The evolution of disease resistance in Arabidopsis*"
- 10:40-11:00 Coffee Break
- 11:00-11:40 **Dr. Thomas G. Whitham**, Merriam-Powell Center for Environmental Research, Northern Arizona University, "*Community and ecosystem genetics: A consequence of the extended phenotype*"
- 11:40-12:00 Kansas Ecological Genomics Research Presentation: **Dr. Ken Jones and Joe Coolon**, Kansas State University, "*Changes in nematode community composition in response to environmental cues*"
- Noon-1:30 Lunch
- Session Chair: Mark Ungerer, Kansas State University**
- 1:30-1:50 Kansas Ecological Genomics Research Presentation: **Dr. Robert Cohen**, University of Kansas, "*RNA zipcodes and their binding proteins*"
- 1:50-2:30 **Dr. Michael Purugganan**, North Carolina State University, "*Ecological genomics of Arabidopsis flowering*"
- 2:30-3:00 Afternoon Break
- 3:00-3:40 **Dr. Michael Lynch**, Indiana University, "*The origins of genome complexity*"
- 3:40-4:00 Kansas Ecological Genomics Research Presentation: **Dr. Aparna G. Patankar**, Kansas State University, "*Environmental influences on root development and productivity in tall grass prairie: Genomic and molecular approaches*"
- 4:00-6:00 Poster Session & Reception
- 6:45 **Optional Banquet:** Participants attending the Saturday night banquet will meet in the lobby of hotel at 6:45 p.m. and board motor coach to go to the Country Club Plaza for 7:30 dinner at Frondizi's, 4558 Main, Kansas City, Missouri. Attendees will have some time after dinner to explore the Plaza before boarding the motor coach for the return trip to the hotel at 10:30 pm.

Sunday, October 3, 2004

- 8:30-9:00 Continental Breakfast
- Session Chair: Karen Garrett, Kansas State University**
- 9:00-9:40 **Dr. Alison E. Murray**, Desert Research Institute, Reno, "*Microbial genomics goes to the environment – where some like it hot, and others like it cold*"
- 9:40-10:20 **Dr. Hopi Hoekstra**, University of California, San Diego, "*Genetic basis of adaptive coloration in beach mice*"
- 10:20-10:45 Coffee Break
- 10:45-11:25 **Dr. W. Kelley Thomas**, Hubbard Center for Genome Studies, University of New Hampshire, "*Daphnia: An emerging model system for ecological and evolutionary genomics*"
- 11:25-11:45 Kansas Ecological Genomics Research Presentation: **Dr. John Kelly**, University of Kansas, "*The maintenance of genetic variation in Monkeyflowers*"
- 11:45-12:00 Closing Remarks