



Ecological Genomics Symposium

Sheraton Hotel, Overland Park, Kansas

Friday, November 3, 2006

- 5:00 pm-7:30 pm Registration & Light Dinner Refreshments; Poster Set-up in Maple Room on the Lower Level of the Sheraton
Session Chair: **Carolyn J. Ferguson**, Kansas State University
- 7:30 pm General Session, Leatherwood Ballrooms 2 and 3, Lower Level
- 7:30-7:40 pm Introductions and Welcome Remarks, **Loretta Johnson and Michael Herman**, Kansas State University
- 7:40-8:20 **Ian T. Baldwin**, Max-Planck Institute for Chemical Ecology, *Using transformed plants to study ecological interactions*
- 8:20-9:00 **Katie Peichel**, Fred Hutchinson Cancer Research Center, *Genetics of reproductive isolation in sticklebacks*
- 9:00-10:45 Poster Session and Reception
- 10:45 **Blues Jam Session**, Members of the Red State Blues Band, Hawthorne Rooms 1 and 2

Saturday, November 4, 2006

- 7:30-9:00 Complete Breakfast Buffet in Leatherwood Ballroom 1, Lower Level
- 8:30-11:00 Registration
Session Chair: **Jeremy L. Marshall**, Kansas State University
- 9:00-9:40 **Loren Rieseberg**, Indiana University, *The geographic scale of adaptation in annual sunflowers*
- 9:40-10:00 Poster Abstract Invited Presentation: **Jay Storz**, University of Nebraska, *The genetic basis of high-altitude adaptation in deer mice*
- 10:00-10:30 Break
- 10:30-10:50 Poster Abstract Invited Presentation: **Kenneth Jones**, Kansas State University, *Effects of global change phenomenon on microbial communities*
- 10:50-11:10 Poster Abstract Invited Presentation: **Sanghoon Kang**, Oak Ridge National Laboratory, *Relationship between forest soil microbial functional potential and soil biogeochemistry*
- 11:10-11:50 Ecological Genomics Graduate Students' Invited Speaker: **Patricia Wittkopp**, University of Michigan, *Genetic basis of regulatory variation*
- 11:50-12:00 Announcements
- 12:00-1:15 Lunch, Kansas City Barbeque Buffet, Cottonwood 2 Ballroom, Main level
Session Chair: **Ari Jumpponen**, Kansas State University
- 1:30-1:50 Poster Abstract Invited Presentation: **Stephanie Bernard**, Lawrence Berkeley National Labs Ecology Department, *A molecular approach to understanding plant response to global climate change in a Californian grassland ecosystem*
- 1:50-2:30 **Michael W. Nachman**, University of Arizona, *The genetic basis of reproductive isolation in mice*
- 2:30-3:00 Break
- 3:00-3:20 Poster Abstract Invited Presentation: **Erin MacNeal Rehrig**, Penn State University, *Transcription factor profiles and cis-regulatory motif distributions in Arabidopsis genes regulated by Herbivory*
- 3:20-4:00 **Justin Fay**, Washington University, *Evolution of gene expression*
- 4:00-6:00 Poster Session & Beverages
- 6:00-6:20 Poster removal
- 6:45 Optional Banquet: Participants attending the Saturday night banquet will meet in the Pre-function area/hallway outside the poster room to board motor coach to go to the Country Club Plaza for 7:30 dinner at the Brio Tuscan Grille. Participants will have some time following dinner to explore the Plaza. One bus will depart the Plaza at 9:45; a second bus will depart the Plaza at 11:15.

Sunday, November 5, 2006

- 8:00-9:00 Continental Breakfast, Prefunction area outside Leatherwood Ballrooms 2 & 3
Session Chair: **Anna E. Whitfield**, Kansas State University
- 9:00-9:40 **Maria J. Harrison**, Cornell University, *Towards an understanding of the arbuscular mycorrhizal symbiosis: Functional genomics approaches*
- 9:40-10:00 Poster Abstract Invited Presentation: **Yan Li**, University of Chicago, *Population genetic variation in flowering time under seasonal and geographic conditions in Arabidopsis thaliana*
- 10:00-10:20 Break
- 10:20-11:00 **Theodore J. Morgan**, Kansas State University, *Genomics of thermotolerance in Drosophila*
- 11:00-11:40 **John H. Willis**, Duke University, *Genetic analysis of adaptation and reproductive isolation in Mimulus*
- 11:40-11:50 Closing Remarks

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