

Ecological Genomics

Symposium

Schedule of Events

November 6, 2015

- 6:00—8:00 p.m. Registration in Foyer of Ballrooms EFGH
Poster set-up in Foyer of Ballrooms EFGH
- 7:00 p.m. General Session, Ballrooms FGH—Flint Hills/Kings/Konza Prairie
- 7:00—7:10 p.m. Introductions and Welcome, **Loretta Johnson and Mike Herman**, EGI Co-Directors,
April Mason, Provost and Senior Vice President, Kansas State University
- 7:10—7:50 p.m. **Joan Strassmann**, Washington University in St. Louis
Cooperation, exploitation, and discrimination in social amoebae
- 7:50—8:10 p.m. Poster Abstract Invited Presentation: **Anne Royer**, Willamette University,
Coevolution driving speciation? Evidence from a Joshua tree hybrid zone
- 8:10—8:30 p.m. Poster Abstract Invited Presentation: **Matthew Galliard**, Kansas State University,
*Adaptive Ecotypic Variation and Genetic Divergence of a Widespread Grass
Andropogon gerardii across a Great Plains' Climate Gradient*
- 8:30—8:50 p.m. Poster Abstract Invited Presentation: **Joanna Kelley**, Washington State University,
*Uncovering the genes driving sex determination in a self-fertilizing hermaphroditic
fish, Kryptolebias marmoratus*
- 9:00—10:30 p.m. Welcome Reception / Poster Session #1, Foyer of Ballrooms EFGH

A special area will be reserved for posters presented by undergraduate students.

9:00—9:45 Authors present **EVEN NUMBERED** posters

9:45—10:30 Authors present **ODD NUMBERED** posters

Saturday, November 7, 2015

- 8:00—9:00 a.m. Breakfast Buffet, Ballroom E—Kaw Nation
- 8:00—10:00 a.m. Registration, Foyer of Ballrooms EFGH
- 9:00—9:10 a.m. General Session, Ballrooms FGH—Flint Hills/Kings/Konza Prairie
Announcements — Session Chair: Eddy Dowle, Kansas State University
- 9:10—9:50 a.m. **Melissa Pespeni**, University of Vermont
Ecological genomics in a diverse and changing world: Studies in sea urchins and horned beetles
- 9:50—10:10 a.m. Poster Abstract Invited Presentation: **Sara Wright**, Washington University in St. Louis, *Ecological field studies and copy number variation (CNV) analyses shed light on the selective mechanisms maintaining North American white clover cyanogenesis clines*
- 10:10—10:30 a.m. Break
- 10:30—11:10 a.m. **Michi Tobler**, Kansas State University
Finding mechanisms underlying life in extreme environments
- 11:10—11:30 a.m. Poster Abstract Invited Presentation: **Corin White**, Kansas State University, *The interaction between Caenorhabditis elegans and the bacterial pathogen Stenotrophomonas maltophilia*
- 11:30—11:50 a.m. Poster Abstract Invited Presentation: **Robert Unckless**, University of Kansas, *Balancing selection and convergent evolution in an antimicrobial peptide*
- 11:50—1:20 p.m. Lunch, Ballroom E — Kaw Nation
- 1:20—1:25 p.m. General Session, Ballrooms FG—Flint Hills/Kings
Announcements — Session Chair: Lydia Zeglin, Kansas State University
- 1:25—1:45 p.m. Poster Abstract Invited Presentation: **Peter Andofatto**, Princeton University, *A genome wide scan for incompatibilities in hybrid fish populations*
- 1:45—2:05 p.m. Poster Abstract Invited Presentation: **Elizabeth Everman**, Kansas State University, *Age-related change in cold stress tolerance in Drosophila melanogaster*
- 2:05—2:25 p.m. Poster Abstract Invited Presentation: **Karl Fetter**, University of Vermont, *Selection scans identify genomic regions associated with adaptation to environment in Populus balsamifera (L)*
- 2:25—3:05 p.m. **Michael Lynch**, Indiana University
The 5000 Daphnia pulex Genomes Project
- 3:15—5:00 p.m. Poster Session #2 and Refreshments, Foyer of Ballrooms EFGH
- A special area will be reserved for posters presented by undergraduate students.
- 3:30—4:15 Authors present **EVEN NUMBERED** posters
4:15—5:00 Authors present **ODD NUMBERED** posters
- Posters may be left on display until the conclusion of the meeting on Sunday.
- 7:00 p.m. Dinner, Ballroom E—Kaw Nation
- 8:30 p.m. Entertainment, Red State Blues Band

Sunday, November 8, 2015

- 8:00—9:00 a.m. Breakfast Buffet, Ballroom E — Kaw Nation
Posters may be removed anytime Sunday morning or may remain on display until noon.
- 9:00 a.m. General Session, Ballrooms FGH — Flint Hills/Kings/Konza Prairie
Announcements — Session Chair: Tom Platt, Kansas State University
- 9:00—9:40 a.m. **Stacey D. Smith**, University of Colorado at Boulder
Evolutionary genomics of flower color transitions
- 9:40—10:00 a.m. Poster Abstract Invited Presentation: **Vinayak Mathur**, University of Pennsylvania,
*Short term adult plasticity in *Drosophila melanogaster* and its role in climatic adaptation*
- 10:00—10:30 a.m. Break
- 10:30—10:50 a.m. Poster Abstract Invited Presentation: **Anthony Zera**, University of Nebraska,
Morph-specific daily cycles of gene expression in a wing-dimorphic cricket: Functional genomics meets chronobiology
- 10:50—11:10 a.m. Poster Abstract Invited Presentation: **Eddy Dowle**, Kansas State University,
*Reproductive isolation and environmental adaptation shape the phylogeography of Mountain Pine Beetle (*Dendroctonus ponderosae*)*
- 11:10—11:50 a.m. **Scott V. Edwards**, Harvard University
Comparative genomics and the origin of phenotypic novelty in birds
- 11:50 a.m.—12:00 p.m. Closing Remarks
- 12:30—3:00 p.m. Optional Tour of Konza Prairie
Meet in the Foyer of EFGH. Vans will be departing at 12:30 p.m.

Funding for the Symposium has been provided by:



KANSAS STATE
UNIVERSITY