**In conjunction with the 9TH Annual Arthropod Genomics Symposium**

**Insect Genetic Technologies Workshop**

*June 17, 2015, Manhattan, KS*

**Schedule**

**Wednesday, June 17, 2015**

**IGT-RCN** – Banquet Room B/C, Kansas State Alumni Center

**Registration and Poster Set-up**

7:15 – 8:15 am **Registration**

7:00 – 7:15 am **Poster Set-up** in LOCATION

**SESSION** – Banquet Room B/C

**Welcome**

8:15 am **Kristin Michel**, Kansas State University, Steering committee & Symposia working group member Insect Genetic Technologies Research Coordination Network

8:15 am **David O'Brochta**, University of Maryland, Director of the Insect Genetic Technologies Research Coordination Network

**Genome Editing Technologies**: Session Chair: **Jennifer Brisson**, University of Rochester

8:30-9:15 

**Christine Merlin** – Texas A&M, *Knocking out genes in the Monarch butterfly using TALEN and CRISPR/Cas9 technologies*

9:15-10:00 

**Michael Veeman** – Kansas State University, *F₀ CRISPR/Cas9 knockdown in the sea squirt Ciona*

10:00-10:30 **BREAK**

**CRISPR/cas9 tutorials**: Session Chair: **Marce Lorenzen**, North Carolina State

10:30-11:00 Tutorial: Using the CRISPR/cas9 system for genome editing in *Aedes aegypti*; discussion (**Alexander Franz**, U Missouri)

11:00-11:30 Tutorial CRISPR Donor Design for knock-in; discussion (**Nathaniel Grubbs, Nicole Gutzmann**, NC State)

11:30-12:00 Tutorial CRISPR mutant detection; discussion (**Christine Merlin**, Texas A&M)

12:00-1:00 **LUNCH**

1:00-2:00 **POSTER SESSION** (Banquet Room B)

**New methods for DNA/RNA delivery**: Session Chair: **Kristin Michel**, Kansas State University

2:00-2:45 

**Gregor Buchner** – Georg-August-Universität Göttingen, RNAi: From large scale screening to time and tissue restricted knockdown

2:45-3:30 

**Urs Schmidt-Ott** – University of Chicago, *Functional Evo-Devo Studies in Dipteran Insects: Model Choice and Recent Insights*

3:30-4:00 **BREAK**

4:00-5:00 Discussion Groups on IGT Needs and Solutions (Topics)

5:00-5:30 **Summary of Discussion**