

GGB Student Symposium 2013

8:00-9:00AM **New Student Orientation**

8:30-9:30AM **Breakfast and Registration
(Genomics Lobby)**

9:30-10:45AM **Session I**

Chair: Stephanie Coffman

9:30AM Welcome & Opening Remarks

9:45AM **Amanda Hollowell**, Sachs Lab

Variation in antibiotic resistance in natural populations of *Bradyrhizobium*

10:00AM **Keira Lucas**, Raikhel Lab

Conserved microRNA miR-8 is an essential regulator of reproductive events in the fat body of the female mosquito, *Aedes aegypti*

10:15AM **Bo Zhao**, Raikhel Lab

Towards improvement of genetics tools for mosquito research: Development and application of the binary Gal4/UAS system in *Aedes aegypti*

10:30AM **Shaofang Li**, Chen Lab

Genome-wide profiling of Pol IV-dependent siRNA precursor transcripts

10:45-11:00AM **Coffee Break**

11:00-12:00PM **Session II**

Chair: Caroline Sjorgen

11:00AM **Evelien Bunnik**, Le Roch Lab

Polysome Profiling reveals Translational Control of Gene Expression in the Human Malaria Parasite *Plasmodium falciparum*

11:15AM **Stephanie Coffman**, Ding Lab

Identification of genes required for RNAi-mediated antiviral immunity in *C. elegans*

11:30AM **Jinfeng Lu**, Ding Lab

RNA interference functions as an antiviral immunity in mammals

11:45AM **Ilva Cabrera**, Borkovich Lab

Prediction of Gene Functions using Phenomics in a Model Filamentous Fungus

12:00-1:30PM **Lunch (HUB 355)**

1:30-2:30PM

Session III

Chair: Mitchell Lucas

1:30-2:30PM

Keynote Address

Dr. Bradley White, Entomology Department

2:30-2:45PM

Coffee Break

2:45-3:45PM

Session IV

Chair: Steven Ahrendt

2:45PM

Mitchell Lucas, Close Lab

Application of Genomic Resources to Aid a Legacy of Collaborative Cowpea Breeding between UCR and Africa

3:00PM

Sarah Perry, Ray Lab

Genetic and epigenetic mechanisms underlying olfactory learning and memory in *Drosophila melanogaster*.

3:15PM

Meenkashi Kagda, Judelson Lab

Metabolic adaptations and phosphagen kinases in the plant pathogen *Phytophthora infestans*

3:30PM

Jolly Shrivastava, Judelson Lab

Building a pipeline to identify antigenic peptides specific to *Phytophthora infestans*

3:45-4:00PM

Coffee Break

4:00-4:45PM

Session V

Chair: Keira Lucas

4:00PM

Steven Ahrendt, Stajich Lab

Comparative Analysis of Putative Rhodopsins in Early Diverging Fungal Lineages

4:15PM

Caroline Sjorgen, Larsen Lab

Aluminum promotes root growth inhibition through an ATR- and SOG1-dependent transcriptional response.

4:30PM

Gabriel Murillo, Cui Lab

High-Throughput Sequencing Analysis Using the REMix Base-Caller and the GeMS SNP Caller

5:30-6:30PM

**Poster Session and Reception
(Genomics Lobby)**

6:30PM

Awards and Closing Remarks