

# GGB Student Symposium 2014

Genomics Auditorium

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

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

**9:30-10:45AM**      **Session I**

*Chair:* Erin Sternburg

9:30AM      **Dr. Hailing Jin**, Welcome & Opening Remarks

9:45AM      **Meenakshi Kagda**, Judelson Lab

An insight into the dynamic metabolism of *Phytophthora infestans*

10:00AM      **Michael Matson**, Judelson Lab

Characteristics of resistance in segregating and wild populations of *Phytophthora infestans* to the fungicide metalaxyl; towards the development of a rapid phenotyping assay

10:15AM      **Mitchell Lucas**, Close Lab

Introgression of Mozambican Cowpea Alleles develops California Blackeyes with Larger Seeds

10:30AM      **Caroline Sjogren**, Larsen Lab

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

**10:45-11:00AM**      **Refreshments (Genomics Lobby)**

**11:00-12:00PM**      **Session II**

*Chair:* Michael Matson

11:00AM      **Raissa Green**, White Lab

Identifying genomic hybrid incompatibilities in *Anopheles*

11:15AM      **Eric Smith**, White Lab

BAC Resequencing Reveals differences in the TEP Anti-Pathogen Locus of *Anopheles gambiae sensu stricto* and *An. coluzzii*.

11:30AM      **Sarah Perry**, Ray Lab

The Role of HDAC6 Activity in Appetitive Olfactory Memory

11:45AM      **Ji Su Ha**, Raikhel Lab

*De-novo* discovery of *cis*-regulatory elements responsible for differential expression of genes during the vitellogenic period of the female yellow fever mosquito, *Aedes aegypti*

**12:00-1:30PM**      **Lunch (Genomics Lobby)**

**1:30-2:30PM**

**Session III**

*Chair:* Keira Lucas

1:30-2:30PM

**Keynote Address**

**Dr. Ted Karginov, Department of Cell Biology and Neuroscience**

**2:30-2:45PM**

**Refreshments (Genomics Lobby)**

**2:45-3:45PM**

**Session IV**

*Chair:* Arit Ghosh

2:45PM

**Keira Lucas, Raikhel Lab**

MicroRNA-8 targets the Wingless signaling pathway in the female mosquito fat body to regulate reproductive processes

3:00PM

**Patrick Schreiner, Atkinson Lab**

A Genomic Exploration of piRNA-mediated Deadenylation of Protein-coding Genes

3:15PM

**Maggie Lu, Le Roch Lab**

Gene and Transcription Start Site Detection Using Nucleosome Positioning Profile in *Plasmodium Falciparum*

3:30PM

**Jinfeng Lu, Ding Lab**

In vivo properties of mammalian viral siRNAs

**3:45-4:00PM**

**Refreshments (Genomics Lobby)**

**4:00-4:45PM**

**Session V**

*Chair:* Caroline Sjogren

4:00PM

**Arit Ghosh, Borkovich Lab**

The RACK1 homolog CPC-2 regulates cross pathway control via translational regulation of the bZIP transcription factor CPC-1 in *Neurospora crassa*

4:15PM

**Steven Ahrendt, Stajich**

Investigating the growth suppression properties of the Chytridiomycete *Homolaphlyctis polyrhiza* JEL 142

4:30PM

**Jonathon Deans, Sladek Lab**

Alternative promoters of HNF4A produce N-terminal domain changes that can alter the liver transcriptome

**5-6:00PM**

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

**6:00PM**

**Awards and Closing Remarks**