

# GGB Student Symposium 2015

## 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: Maggie Lu*
- 9:30AM      **Dr. Hailing Jin and Michael Matson**, Welcome & Opening Remarks
- 9:45AM      **Ji Su Ha**, Raikhel Lab  
Identification transcription factors and their binding sites responsible for differential expression of genes during the vitellogenic period of the female yellow fever mosquito, *Aedes aegypti*
- 10:00AM      **Jonathon Deans**, Sladek Lab  
Verifying Affinity Altering SNPs with CRISPR/Cas System in HepG2 Cells
- 10:15AM      **Arit Ghosh**, Borkovich Lab  
The RACK1 homolog CPC---2 regulates cross pathway control via post---transcriptional regulation of the bZIP transcription factor in *Neurospora crassa*
- 10:30AM      **Eric Smith**, White Lab  
Structural variation at the TEP anti---pathogen locus in African malaria mosquitoes
- 10:45---11:00AM**      **Refreshments** (Genomics Lobby)
- 11:00---12:00PM**      **Session II**  
*Chair: Sawyer Masonjones*
- 11:00AM      **Stephen Bolaris**, Larsen Lab  
The Effects of Aluminum on Genome Stability in *Arabidopsis*
- 11:15AM      **Erin Sternburg**, Karginov Lab  
Investigation of mechanisms that modulate Argonaute---mediated post transcriptional regulation
- 11:30AM      **Yahui Li**, Karginov Lab  
Investigating the role of RNA binding protein HuR in microRNA---mediated gene repression
- 11:45AM      **Ruidong Li**, Gu Lab  
Investigation of a new group of 22G small RNAs in *C.elegans*
- 12:00---1:30PM**      **Lunch** (Genomics Lobby)

1:30---2:30PM

**Keynote Address:**

*Chair:* Michael Matson

**Dr. Naoki Yamanaka, Department of Entomology**

**“Timing Is Everything: How Insects  
Become Committed to Maturation”**

2:30---2:45PM

**Refreshments (Genomics Lobby)**

2:45---4:00PM

**Session IV**

*Chair:* Thanin Chantarachot

2:45PM

**Maggie Lu, Le Roch Lab**

An Exploration of Gene Expression and Regulation Mechanisms in the Malaria Causing Parasite, *Plasmodium falciparu*

3:00PM

**Jolly Shrivastava, Judelson Lab**

RNA---Seq for identifying novel transcripts, alternate splicing and improving gene annotations in plant pathogen *Phytophthora infestans*

3:15PM

**Meenakshi Kagda, Judelson Lab**

Metabolic adaptations of *Phytophthora infestans* within host environments

3:30PM

**Michael Matson, Judelson Lab**

Mapping a major gene responsible for a semi---dominant locus conferring resistance to the fungicide Metalaxyl in *Phytophthora infestans*

3:45PM

**Patrick Schreiner, Atkinson Lab**

A Genomic Exploration of Transposable Element Abundance, Occupancy, and Functionality in *Ceratitidis capitata*

4---5:00PM

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

5:00PM

**Awards and Closing Remark**

