GGB Student Symposium 2012

8:00-9:00AM  New Student Orientation

8:30-9:30AM  Breakfast (Genomics Lobby)

9:30-10:45AM  Session I  
Chair: Meenakshi Kagda

9:30AM  Welcome & Opening Remarks
9:45AM  Mitchell Lucas, Close Lab  
Genomics and Modern Breeding of Cowpea
10:00AM  Steven Ahrendt, Stajich Lab  
Analysis of a putative rhodopsin in zoosporic fungi
10:15AM  Divya Sain, Stajich Lab  
Utilizing functional genomics in Neurospora crassa to identify genes involved in hyphal tip growth and development.
10:30AM  Sammy Sedky, DeLey Lab  
Wolbachia endosymbionts in insect-associated tylenchoid nematodes

10:45-11:00AM  Coffee Break

11:00-12:00PM  Session II  
Chair: Stephanie Coffman

11:00AM  Sumana Pasala, Sladek Lab  
Transcriptional Regulation of miRNA-21 by HNF4α and its Functional significance
11:15AM  Shaofang Li, Chen Lab  
Identification and function study of SUVH1, a negative regulator in small RNA-directed DNA methylation
11:30AM  Bo Zhao, Raikhel Lab  
Towards improvement of genetics tools for mosquito research: Development of the binary Gal4/UAS system in Aedes aegypti
11:45AM  Keira Lucas, Raikhel Lab  
Functional characterization of the conserved microRNA miR-8 in the fat body of the female mosquito, Aedes aegypti

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

1:30-2:30PM  Session III  
Chair: Keira Lucas

1:30PM  Tusar Saha, Raikhel Lab  
Genome-wide analysis of genes controlled by juvenile hormone receptor Methoprene-Tolerant in the Dengue fever mosquito, Aedes aegypti
1:45PM  Patrick Schacht, Borkovich Lab  
Using truncation mutants to analyze the role of RIC8 in Neurospora crassa
2:00PM  Ilva Cabrera, Borkovich Lab
The guanine nucleotide exchange factor RIC8 regulates conidial germination through Gα proteins in Neurospora crassa

2:15PM  Amruta Garud, Borkovich Lab
The role of cpc-2 in G protein signaling in Neurospora crassa

2:30-2:45PM  Coffee Break

2:45-3:45PM  Session IV
Chair: Sammy Sedky

2:45PM  Alexander Michkov, Borkovich Lab
Stability of a G protein alpha subunit in genetic backgrounds lacking the G beta subunit or a cytosolic guanine nucleotide exchange factor

3:00PM  Stephanie Coffman, Ding Lab
C. elegans as a Model to Investigate Conserved Innate Immunity Mechanisms

3:15PM  Jinfeng Lu, Ding Lab
The detection of Nodamura derived siRNAs in BHK21 cells implies a potential employment of RNAi-based antiviral mechanism in higher animals

3:30PM  Meenakshi Kagda, Judelson Lab
Metabolic adaptations in Phytophthora infestans for efficient nutrient acquisition and the role of phosphagen kinase system in energy metabolism during its infection

3:45-4:00PM  Coffee Break

4:00-4:45PM  Session V
Chair: Steven Ahrendt

4:00PM  Samantha Lewis, Hyman Lab
Analysis of C. elegans mtDNA replication reveals prominent recombination intermediates

4:15PM  Sarah Perry, Ray Lab
Epigenetic regulation of receptor gene choice

4:30PM  Amanda Hollowell, Sachs Lab
Epidemic Distributions in Rhizobia

4:45-5:00PM  Awards and Closing Remarks

5:30PM  BBQ (Patrick’s House)