

GGB Graduate Research Symposium

September 16, 2009

9:30-9:40	Introduction and Opening Remarks
9:40-9:55	Heterosis in Line Crosses of Mice Selectively Bred For High Locomotor Activity Presented by Robert Hannon
9:55-10:10	Spider hemocyanin sequences reveal complex evolutionary dynamics of blood proteins and have high phylogenetic utility Presented by James Starrett
10:10-10:25	Identification and Functional Characterization of miRNAs Regulated by HNF4α1 Presented by Sumana Pasala
10:25-10:40	Small Molecule Inhibitors of RNA Silencing Presented by Samer Elkashef
10:40-10:55	Coffee Break
10:55-11:10	Integrated Approach for the Identification of human HNF4α Target Genes Using Protein Binding Microarrays Presented by Eugene Bolotin
11:10-11:25	Comparison of embiopteran silks reveals tensile and structural similarities across taxa Presented by Matthew Collin
11:25-11:40	Chemical Genetics Approach to Study ROP Pathway that Regulates Tip Growth in <i>Arabidopsis</i> Presented by Augusta Jamin
11:40-11:55	Bioinformatics Tool Development and Drug Design in Cannabinoid Receptor System Presented by Rizi Ali
11:55-1:10	Lunch Break, HUB 355

- 1:10-1:25** **Tango vs. W. Murcott Chromosomal Visualization and Analysis using FISH**
Presented by Jennifer Crowley
- 1:25-1:40** **AtCSP1: a polysome associated RNA binding protein that may function in post-transcriptional regulation by the environment**
Presented by Piyada Juntawong
- 1:40-1:55** **Understanding Molecular Mechanisms that control Floral Evocation in *Arabidopsis thaliana***
Presented by Shruti Lal
- 1:55-2:10** **Dissecting Endomembrane Trafficking Underlying Gravitropic Responses in *Arabidopsis thaliana* via Chemical Genomics**
Presented by Michelle Brown
- 2:10-2:25** **Identifying Mi-1-mediated signal transduction pathway and resistance mechanism against potato aphids in tomato**
Presented by Hagop Atamian
- 2:25-2:40** **Coffee Break**
- 2:40-2:55** **A novel chemical-informatics method to decode odor receptor chemical space**
Presented by Sean Boyle
- 2:55-3:10** **A multidisciplinary approach for discovering motifs regulating spore-specific transcription in the potato pathogen *Phytophthora infestans***
Presented by Sourav Roy
- 3:10-3:25** **Development of a Polony-based High Throughput Approach for Microbial Community Analysis**
Presented by Paul Ruegger
- 3:25-3:40** **Role of MPK6 in plant responses to hypoxia**
Presented by Charles Jang
- 3:40-3:55** **A chemical genomics approach to investigate the functions of Mitogen activated protein kinases in *Arabidopsis thaliana***
Presented by Venkatesh Shivanandam

3:55-4:10

**Studying the non receptor GEF RIC8 using
Chemical Inhibitors and Suppressor Screens in
*Neurospora crassa***

Presented by Patrick Schacht

4:15

**Presentation of Best student speaker Award and
Closing Remarks**