

FRIDAY, NOVEMBER 2, 2007

3:00-5:00pm **CHECK IN**

5:00-6:30pm **OPENING RECEPTION**

6:30pm **DINNER**

8:00-8:05pm **WELCOME**

8:05-8:35pm **Dr. Sean Cutler**, Botany & Plant Sciences — *“Molecular Dissection of a Small Molecule ABA Agonist”*

8:35-8:55pm **Christiana Merrywell** — *“NMR-based Metabonomics Analysis of the Response of Arabidopsis thaliana to Chemical Stimuli”*

8:55-9:15pm **Samer Elkashef** — *“Small Molecule Inhibitors of RNA Silencing”*

9:15-9:45pm **BREAK AND DISCUSSION I: What Biologists Need to Know about Chemistry** — Led by Michael Pirrung

SATURDAY, NOVEMBER 3, 2007

8:00-9:00am **BREAKFAST**

9:00-9:20am **Marcela Pierce**, Raikhel Lab — *“P-glycoprotein19 is a Target for Gravacin, a Gravitropic Inhibitor in Arabidopsis”*

9:20-9:40am **Colleen Knoth** — *“A Chemical Genomics Screen for Arabidopsis Defense Elicitors”*

9:40-9:50am **Minday Salus** — *“TBA”*

9:50-10:10am **Theresa Dinh** — *“Regulation of Apetala2, a floral homeotic gene in Arabidopsis”*

10:10-10:30am **BREAK**

10:30-10:50am **Charles Jang** — *“Chemical Screening for Arabidopsis Mitogen Activated Protein Kinase 6 Inhibitors”*

10:50-11:10am **Kayla Hamersky** — *“Combined mRNA and Metabolite Profiling of Hypoxic Arabidopsis thaliana”*

11:10-11:20am **Michelle Brown** — *“Using a Tagged Chemical Library to Identify Novel Proteins Involved in Biogenesis and Targeting to the Vacuole”*

11:20-11:50am **Wenbo Ma**, Plant Pathology and Microbiology — *“Molecular Mechanisms and Evolution of Plant-bacteria Interactions”*

11:50am-12:00pm **DISCUSSION**

12:00-1:00pm **LUNCH**

1:00-4:30pm **FREE TIME**

4:30-5:00pm **FACULTY MEETING**

5:00-6:30pm **POSTER SESSION** (setup at 4:45pm)

6:30-8:00pm **DINNER**

8:00-8:20pm **James Kim** — *“Using Metabonomics and Chemical Genomics to Elucidate GNA-3 Involved Signal-transduction Pathway in Neurospora crassa”*

8:20-8:40pm **Augusta Jamin** — *“Chemical Genetics Approach in Studying ROP Signalling Pathway in Arabidopsis”*

8:40-9:00pm **Glenn Hicks**, Raikhel Lab — *“Endosidin 1 Affects Brassinosteroid Signaling and an Endosome Compartment Involved in the Recycling of BRI, PIN2 and AUX1”*

9:00-9:30pm **Cynthia Larive**, Chemistry — *“Probing Ligand Binding to Alpha-1 Acid Glycoprotein”*

9:30-10:00pm **BREAK AND DISCUSSION II: What to Do with a Hit** — Led by Thomas Eulgem.

SUNDAY, NOVEMBER 4, 2007

8:00am **BREAKFAST**

9:00-9:30am **Patricia Springer**, Botany & Plant Sciences — *“Deciphering the Role of Organ Boundaries in Plant Development”*

9:30-9:50am **Jolene Diedrich** — *“Phosphorylation Site Identification by Photoinduced Dissociation Mass Spectrometry”*

9:50-10:10am **Eddie Cao** — *“A Novel Maximum Common Substructure Algorithm for Searching, Clustering and Predicting Drug-like Compounds”*

10:10-10:20am **Andrew Defries** — *“TBA”*

10:20-10:40am **BREAK**

10:40-11:10am **Shou-wei Ding**, Plant Pathology and Microbiology — *“Antiviral Silencing in C. elegans”*

11:10-11:30am **Thomas Girke**, Botany and Plant Sciences — *“TBA”*

11:30am-12:00pm **DISCUSSION III: Target Identification** — Led by Sean Cutler

12:00pm **LUNCH**