

Schedule of Events

Friday, May 8, 2009

8:00 a.m. **Registration and Continental Breakfast**
Pine Room and Magnolia Room A

8:45 **Opening Remarks and Announcements**
Dr. John Davis and Dr. Gary Peter

Oral Presentations

Magnolia Room A

Moderator: Charles (Chip) Hunter

9:00 **Making Scents of Tomato Flavor Glycosides**
Melissa Hamner*, Plant Molecular and Cellular Biology Program, University of Florida

9:15 **Developmental and Feedforward Control of the Expression of Folate Biosynthesis Genes in Tomato Fruit**
Tariq A. Akhtar*, Plant Molecular and Cellular Biology Program, University of Florida

9:30 **Regulation of Strawberry Leaf Architecture by Knox Ortholog**
Mithu Chatterjee, Horticultural Sciences Department, University of Florida

9:45 **Characterization of Soybean Enzymes Involved in Cysteine Synthesis**
Courtney Morriss*, Plant Molecular and Cellular Biology Program, University of Florida

10:00 **Association Studies on Pitch Canker Resistance in Loblolly Pine**
Tania Quesada*, Plant Molecular and Cellular Biology Program, University of Florida

10:15 **Break**
Magnolia Room A

Moderator: Brent O'Brien

10:30 **Zmurp Encodes a Predicted Splicing Factor and is Involved in Plant Development and Regulation of Cell Proliferation**
Romain Fouquet, Horticultural Sciences Department, University of Florida

10:45 **Analysis of Genetic Modifiers and Potential Gene Targets of the *Rough Endosperm3* Mutant**
Federico Martin*, Plant Molecular and Cellular Biology Program, University of Florida

Keynote Speaker

- 11:00 **Maize Genomics: New Tools and Opportunities**
Dr. Patrick Schnable, Director, Center for Plant Genomics, Iowa State University
- 12:00 **Lunch** (on your own)
PMCB Student lunch with Dr. Schnable
- Moderator: Sharon Tan
- 2:00 p.m. **A Specialized CHORISMATE MUTASE in the Flower of *Petunia X hybrida***
Thomas A. Colquhoun*, Plant Molecular and Cellular Biology Program, University of Florida
- 2:15 **A Novel R2R3-MYB Transcriptional Regulator that Acts as a Gatekeeper in *Petunia X hybrida* Flower Development**
Bernardus C.J. Schimmel, Plant Molecular and Cellular Biology Program, University of Florida
- 2:30 **Identification of a New Degradation Pathway for 5-Formyl-THF By Comparative Genomics**
Linda Jeanguenin, Horticultural Sciences Department, University of Florida
- 2:45 **A Redox Active Isopropylmalate Dehydrogenase Functions in the Biosynthesis of Glucosinolates and Leucine in *Arabidopsis***
Yan He*, Plant Molecular and Cellular Biology Program, University of Florida
- 3:00 **Break**
Magnolia Room A
- Moderator: Thomas Colquhoun
- 3:15 **Identification of Functional Components Involved in Guard Cell Abscisic Acid Signaling**
Mengmeng Zhu, Department of Biology, University of Florida
- 3:30 ***Nlr1* Integrates Leaf Blade Development and Plastid Division**
Jeff L. Gustin, Horticultural Sciences, University of Florida
- 3:45 **Disruption of *Cellulose Synthase-Like D1* Results in Reduced Growth and Warty-Like Phenotype**
Charles T. Hunter*, Plant Molecular and Cellular Biology Program, University of Florida
- 4:00 **Adjourn**
- 6:00 **Cash Bar**
Veranda
- 7:00 to 8:30 **Dinner**
Magnolia Room B

Saturday, May 9, 2009

8:00 a.m. Continental Breakfast
Magnolia Room A

Oral Presentations

Magnolia Room A

Moderator: Tariq Akhtar

8:45 am ***IRREGULAR TRICHOME BRANCH 2 (ITB2)* Encodes a Putative Aminophospholipid Translocase that Regulates Trichome Branch Elongation in *Arabidopsis***

Xiaoguo Zhang, Department of Biology, University of Florida

9:00 **Expression Profiling and Knock-Out Analyses of the Cellulose Synthase (*Cesa*) Gene Family at The Protoplast, Cellular, and Tissue-Specific Levels**

Brent A. O'Brien*, Plant Molecular and Cellular Biology Program, University of Florida

9:15 **Localization and Integration of Thylakoid Protein Translocase Subunit Cptatc**

Jonathan R Martin*, Plant Molecular and Cellular Biology Program, University of Florida

9:30 **Characterization of Developmentally-Regulated Resistance Mediated by the Rice Gene *Xa21***

Qiang Chen, Department of Plant Pathology, University of Florida

9:45 **Mass Spectrometry Absolute Quantification of the Core Subunit of the Twin Arginine Translocase in Intact Thylakoid Membranes**

José Celedon, Department of Horticultural Sciences, University of Florida

10:00 **Break**

Magnolia Room A

Moderator: Haiyan Jia

10:15 **Dosage-Dependent Genes Affecting Seed Composition or Weight**

Gertraud Spielbauer, Department of Horticultural Sciences, University of Florida

10:30 **Expression and Retention of Genes Duplicated by Polyploidy in *Tragopogon miscellus* (Asteraceae)**

Richard J. A. Buggs, Department of Biology, University of Florida

- 10:45 **UV-C Treatment on Strawberry Fruit: Effect on Gene Expression in Different Tissues**
Hernán G. Rosli, *IIB-INTECH (Instituto de Investigaciones Biotecnológicas-Instituto Tecnológico de Chascomús) (CONICET-UNSAM), Chascomús, Argentina*
- 11:00 **Whole Genome Wide Expression Profiles Of *Vitis Amurensis* Responding to Downy Mildew Infection by Using Solexa Sequencing Technology**
Jiao Wu, College of Food Science and Nutritional Engineering, China Agricultural University, Beijing, China
- 11:15 **Awards for Best Student Presentations**
Award Committee
- 11:30 **PMCB and Plant Breeding Faculty Meeting**
- 12:30 pm **Adjourn**

* denotes a PMCB graduate student