

106<sup>th</sup> Annual Meeting of  
The Southern Association of Agricultural Scientists  
Biochemistry and Biotechnology Division  
Westin Peachtree Plaza, Tower Room 1208  
Atlanta, Ga., February 2, 2009

- 8:00** Introductory Remarks – Dr. Jeff Boles, President  
Dr. SK Ballal, Program Chair and Journal Editor
- 8:00** “Molecular Marker-Based Genetic Diversity Assessment of Pearl Millet Population and its Relationship with Striga Resistance” **Rippy Singh**, Jeffrey P. Wilson and Peng W. Chee, Cotton Molecular Breeding Laboratory, National Environmentally Sound Production Agriculture Laboratory, University of Georgia, P.O. Box 748, 2356 Rainwater Road, Tifton, Ga 31793
- 8:15** “Genetic Mapping For Root-Knot Nematode Resistant Genes in Pearl Millet” **Lemei Liu**, Gulia Surinder, Jeff Wilson, Patricia Timper, Andrew Paterson, Peng W. Chee, Cotton Molecular Breeding Laboratory, National Environmentally Sound Production Agriculture Laboratory, University of Georgia, P.O. Box 748, 2356 Rainwater Road, Tifton, Ga 31793
- 8:30** “Identification of Introgressed Regions in Sealand Cotton Cultivars Using Molecular Markers” **Pawan Kumar**, Rippy Singh, Andrew H. Paterson and Peng W. Chee, Cotton Molecular Breeding Laboratory, National Environmentally Sound Production Agriculture Laboratory, University of Georgia, P.O. Box 748, 2356 Rainwater Road, Tifton, Ga 31793
- 8:45** “QTLs for Resistance to Root-Knot Nematodes in Upland Cotton (*Gossypium hirsutum* L.)” **Yajun He**, Naeem Iqbal, Hussain Khalid, Xinlian Shen, Baohua Wang, Richard Davis, Pawan Kumar and Peng W. Chee, Cotton Molecular Breeding Laboratory, National Environmentally Sound Production Agriculture Laboratory, University of Georgia, P.O. Box 748, 2356 Rainwater Road, Tifton, Ga 31793
- 9:00** “QTL Mapping of Root Architecture Traits in an Interspecific *Gossypium hirsutum* x *Gossypium barbadense* Population” **Baohua Wang**, Muhammad Babar, Sajid ur Rahman, Xinlian Shen and Peng W. Chee, Cotton Molecular Breeding Laboratory, National Environmentally Sound Production Agriculture Laboratory, University of Georgia, P.O. Box 748, 2356 Rainwater Road, Tifton, Ga 31793

- 9:15** “Proteomic Analysis of Peanut Tissue Subjected to Water Stress” **Ramesh Katam**, Hemanth Vasanthaiah, Mehboob B. Sheikh and Naik KSS, Center for Viticulture and Small Fruit Research, Florida A&M University, 6505 Mahan Drive, Tallahassee, FL 32317
- 9:45** “Proteomic Studies of Raspberry Leaf Tissue for Heat Tolerance” **Gohar Umar**, Bobby R. Phills, Ramesh Katam and Mehboob B. Sheikh, Center for Viticulture and Small Fruit Research, Florida A&M University, 6505 Mahan Drive, Tallahassee, FL 32317.
- 10:15** “Biochemical and Molecular Analysis of Pierce’s Disease in *Vitis* Species” **Hemanth Vasanthaiah**, Ramesh Katam and Mehboob B. Sheikh, Center for Viticulture and Small Fruit Research, Florida A&M University, 6505 Mahan Drive, Tallahassee, FL 32317.
- 10:45** “Controlled Environment Facilities for Plant Process Quantification and Modeling” **K. Raja Reddy**, Department of Plant and Soil Sciences, Box 9555, Mississippi State University, Mississippi State, MS 39762
- 11:15** “Mechanisms Controlling Iron Transport Across Membranes in Plants.” **Erin L. Connolly**, Indrani Mukherjee, Jeeyon Jeong, Huijun Yang and Mary Lou Guerinot, Department of Biological Sciences, University of South Carolina, Columbia, SC 29205 and Dartmouth College, Hanover, NH 03775

**11:45 – 1:00                      Lunch Break**

- 1:00** “Potential Hardwood Tree Species for Biofuels in the Southeast United States” **Clifford Louime**, Oghenekome Onokpise and Donald Rockwood, Center for Viticulture, Florida A&M University, 6505 Mahan Drive, Tallahassee, FL 32317
- 1:30** “Physical and Thermal Treatment of Poultry Litter” **Kaushlendra Singh**, Mark Risse, K. C. Das, John Worley and Sid Thompson, Department of Biological and Agricultural Engineering, Driftmier Engineering Center, The University of Georgia, Agriculture Drive, Athens, GA 30602.
- 2:00** “Application and Interaction of Ethylene Receptor Antagonists as Volatile Compounds and Salts” **Edward C. Sisler** and Margrethe Serek, Department of Molecular and Structural Biochemistry, North Carolina State University, Raleigh NC 27695 and Department of Natural Sciences, Institute of Ornamental and Woody Plant Sciences, Leibniz University of Hannover, Hannover, Germany.
- 2:30** “Induction and Regulation of Cytochrome P450 Genes in *Drosophila*” **Ranjan Ganguly**, Biochemistry: Cellular and Molecular Biology, University of Tennessee, Knoxville, TN.

- 3:00** “The Novel Mechanism of Atrazine Resistance in *Amaranthus palmeri*” **William Vencill**, Eric Prostko and Patrick Tranel, Department of Crop & Soil Sciences, 120 Carlton Street, Miller Plant Sciences, Athens, GA 30602.
- 3:30** “Development of Bt Booster Platform Technology for Pest Insect Control” **Michael Adang**, Mohd Amir Abdullah, Milton Taylor, Youngjin Park and Gang Hua, Department of Entomology, The University of Georgia, 120 Cedar Street, Athens, GA 30602.
- 4:00** “Heterologous Expression of Plant and Animal 1-Cys Peroxiredoxin Genes ” **Takashi Ueda**, Florida Gulf Coast University, Department of Biological Sciences, Fort Myers, FL 33965.
- 4:30** “Global Analysis of Gene Expression of *Listeria Monocytogenes* 10403S and a  $\Delta sigB$  Mutant Following Exposure to Metabolic Inhibitors” **Bwalya Lungu** and Joe Frank, Department of Food Science, 100 Cedar Street, University of Georgia, Athens, GA 30602.
- 5:00** **Closing Remarks**