

105<sup>th</sup> Annual Meeting of  
The Southern Association of Agricultural Scientists  
Biochemistry and Biotechnology Division  
Live Oak Room, Adam's Mark Hotel (2<sup>nd</sup> floor)  
Dallas, TX, February 4, 2008

- 8:25** Introductory Remarks – Dr. Jeff Boles, President  
Dr. SK Ballal, Program Chair and Journal Editor
- 8:30** “Plant salt tolerance: genes, functions and regulations” **Huazhong Shi**, Jiafu Jiang, Dongwon Beak and Jung-Sung Chung, Texas Tech University, Department of Chemistry and Biochemistry, Lubbock, Tx 79409
- 9:00** “Role of Secreted Proteins in the Phytopathology of Botrytis cinerea” **Maria Davis**<sup>1</sup>, Punit Shah<sup>2</sup>, Ajay K. Pandey<sup>1</sup>, Hind El Mubarek<sup>1</sup>, Ron Orlando<sup>2</sup> and G.K. Podila<sup>1</sup>, <sup>1</sup>Department of Biological Sciences, University of Alabama in Huntsville, Huntsville, AL and <sup>2</sup>Complex Carbohydrate Research Center, University of Georgia, Athens, GA
- 9:30** “Production of Bioactive Resveratrol Analogues in Hairy Roots of Peanut” **Fabricio Medina-Bolivar**<sup>1,2,3</sup>, Jose Condori<sup>1</sup>, Ganapathy Sivakumar<sup>1</sup>, Mahadevappa Badanavalu<sup>1</sup>, Malathi Srivatsan<sup>1,2</sup> and Maureen Dolan<sup>1,3</sup>.  
<sup>1</sup>Arkansas Biosciences Institute, <sup>2</sup>Department of Biological Sciences, Arkansas State University, P.O. Box 639, Jonesboro, AR 72467 and <sup>3</sup>Nature West Inc., Jonesboro, AR
- 10:00** “Characterization of New Auxin Response Mutants in Arabidopsis” **Nihal Dharmasiri**, Sunethra Dharmasiri, Anuradha Gunathilake, Nirmala Karunarathne, Chamindike Siriwardana and Cameron Collier, Department of Biology, Texas State University-San Marcos, 601 University Drive, San Marcos, TX 78666
- 10:30** “Defining QTLs controlling the morphological and molecular basis of reproductive stage heat tolerance and susceptibility in wheat (Triticum aestivum)” **Dirk Hays**, Esten Mason, Jung Hwa Do and Suchimita Mondal, Institute for Plant Genomics & Biotechnology, Soil and Crop Sciences, Texas A&M University, 2474 – TAMU, College Station, TX 77843
- 11:00** “Nutritional Impact of Elevated Calcium Transport in Carrots”, **Jay Morris**, Keli Hawthorne, Tim Hotze, Steve Abrams and Kendal Hirschi, United States Department of Agriculture, Agriculture Research Service, Children's Nutrition

Research Center, Department of Pediatrics, Baylor College of Medicine, Houston, TX 77030

**11:30 – 1:00                      Lunch Break**

- 1:00** “Novel Methods for the Bioremediation of CAFO Manure Lagoon Odors” **Mark J. Olsen**, D.V. Gil, E. Caraway and D.B. Parker, Department of Math, Chemistry, Physics, and Agriculture, Box 60787, West Texas A&M University, Canyon, Tx 79015
- 1:30** “New Animal Biotechnologies for the Livestock Industry” **Robert A. Godke**, G.T. Gentry and Kenneth R. Bondioli, Louisiana State University, School of Animal Sciences, 105 Francioni Hall, Baton Rouge, LA 70803
- 2:00** “NIP, a *Medicago truncatula* gene required for endocytosis of rhizobia during symbiotic nitrogen-fixing nodule development” **Rebecca Dickstein**, Catalina Pislariu, Yi-Ching Lee, Viktoriya Morris, Heath Wessler, Janine Gann and Janine Sherrier, Department of Biological Sciences, University of North Texas, P.O. Box 305220, Denton, TX 76203-5220
- 2:30** “Molecular Basis of Insecticide Resistance in Mosquitoes” **Nannan Liu**, Department of Entomology and Plant Pathology, Auburn University, Auburn, AL 36849.
- 3:00** “Investigating Soybean-Phakopsora pachyrhizi Interactions Using Proteomics” **Zhi-Yuan Chen** and Sunjung Park, Department of Plant Pathology and Crop Physiology, Louisiana State University, 302 Life Sciences Building, Baton Rouge, LA 70803
- 3:30** “Synthesis and Localization of Wound and Pathogen Induced Proteins in *Dioscorea bulbifera*” **Allyson Bradley** and Theodore Fox, Department of Biology, University of West Florida, 11000 University Parkway, Pensacola, FL 32514-5751
- 4:00** “Arabidopsis Calcium Sensors Regulate Nitric Oxide Levels and the Transition to Flowering” **Yu-Chang Tsai**, Nikki Delk, Naweed Chowdhury and Janet Braam, Biochemistry & Cell Biology, MS 140, Rice University, PO Box 1892, Houston, Texas 77251-1892
- 4:30** **Closing Remarks**