

102nd Annual Meeting of
The Southern Association of Agricultural Scientists
Biochemistry and Biotechnology Division
Izard Hall of the Peabody Hotel
Little Rock, Arkansas

Monday, February 7, 2005

- 8:55** Introductory Remarks – Dr. Jeff Boles, President
Dr. SK Ballal, Program Chair
- 9:00** “Recent developments toward flexible control of ethylene responses in plants.”
E.C. Silser and V.P. Grichko, Department of Molecular and Structural Biochemistry,
North Carolina State University, Raleigh, NC 27695-7622
- 9:45** “Molecular characterization of sheath blight pathogen *R.solani* and its interaction
with *Oryza sativa*.” Yulin Jia, Pratibha Singh, Yeshe Wamishe and Erxun Zhou,
USDA-ARS DB National Rice Research Center, Stuttgart, AR 72160
- 10:30** “The Subcellular Localization and Topology of 1L-myo-Inositol 1-Phosphate
Synthase in *Saccharomyces cerevisiae*.” Erika Steele, Department of Biological
Sciences, University of Alabama, Tuscaloosa, AL 35487
- 11:15** “Bioactive Metabolites in *Dioscorea bulbifera*.” Theodore C. Fox, Tara M.
Sirvent, Allyson Bradley and Jayme Lentz, Department of Biology, University of
West Florida, Pensacola, FL 32514-5751
- 12:00 – 1:00 Lunch Break**
- 1:00** “Organophosphate-resistant acetylcholinesterase in the horn fly, and development
of a PCR assay for individual flies.” Kevin Temeyer, Kim Lohmeyer and Andy
Chen, USDA-ARS, Kerrville, TX 78028-9184
- 1:45** “Cholesterol and Phytosterols in Short-Day and Long-Day Onions” Norman E. Schmidt,
Matthew Turner, Kimberly Peppers and Damaris Sheffield, Department of Chemistry,
Georgia Southern University, Statesboro Ga 30460-8064
- 2:30** “Improved Tecnology for Delivering Oxygen to Bioreactions in a Water Matix” Scott
Osborn, Biological and Agricultural Engineering, University of Arkansas, Fayetteville,
Ar 72701
- 3:15** “Genistein Effects on Sheep Reproduction” Anne Grippo, Bill Humphrey, Bud Kennedy,
Devon Bryant, Sam Snipes, Kayla Capps and Rene Raeven, Department of Chemistry
and Physics, Arkansas State University, State University AR 72467
- 4:00** “Mircoarray analysis of ozone-induced oxidative stress in *Arabidopsis thaliana*”
Ramamurthy Mahalingam, Samir Gunjan, Niranjani Jambunathan and Patricia Ayoubi,
Department of Biochemistry and Molecular Biology, Oklahoma State University,
Stillwater OK 74074
- 4:45** Closing Remarks