



Join us for these upcoming sessions on

Plant Metabolism

Organized by: Edgar Cahoon and Ruth Welti

Vitamin and Amino Acid Metabolism of Plants

Sunday, March 29, 2015

Gilles J. Basset, Univ. of Nebraska-Lincoln
A system biology approach to elucidating the metabolism of terpenoid quinones

Natalia Dudareva, Purdue Univ.
Aromatic amino acid network: biosynthesis, regulation and transport

Andrew D. Hanson, Univ. of Florida
Damage and repair of B vitamins in plants

Applying Proteomics and Metabolomics to Understand Plant Function

Monday, March 30, 2015

Ana Paula Alonso, The Ohio State Univ.
CarbonQuest: Unfolding the map of seed metabolism

Mike R. Sussman, Univ. of Wisconsin, Madison
A receptor protein kinase and peptide hormone that negatively regulates cell expansion in higher plants

Jay J. Thelen, Univ. of Missouri-Columbia
Spatio-temporal proteomics of seed maturation in rapeseed

Ruth Welti, Kansas State Univ.
Using lipidomics to probe lipid metabolism

Additional talks selected from volunteered abstracts. Submit to ASBMB topics 2350-2360

Plant Lipid Metabolism

Tuesday, March 31, 2015

Christoph Benning, Michigan State Univ.
Lipid transport involving chloroplast envelope membranes in plants and algae

Edgar Cahoon, Univ. of Nebraska-Lincoln
To grow or die: Regulation of plant sphingolipid metabolism

Kent D. Chapman, Univ. of North Texas
Metabolism and function of N-acyl ethanolamines

Ljerka Kunst, Univ. of British Columbia
New insights into biosynthesis and secretion of cuticular wax

Plants as Sources of Bioenergy

Wednesday, April 1, 2015

John M. Dyer, USDA-ARS
Production of oil in plant vegetative tissues

Maureen C. McCann, Purdue Univ.
Tailoring biomass for biochemical, chemical or thermochemical catalytic conversion

Sabeeha Merchant, UCLA
Interpretation of the gemone in synchronized Chlamydomonas cells



ABSTRACT SUBMISSION DEADLINE: November 6, 2014

TRAVEL AWARD APPLICATION DEADLINE: November 11, 2014

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