Note: Participants will be staying in two buildings: Miami Inn (MI) and Marcum Conference Center (MCC). All talks and meals are at the MCC. (G) after the authors names denotes a graduate student speaker; (UG) denotes an undergraduate student speaker

Thursday March 14

08:00 pm -- ?? Informal reception (cash bar available).  
[lounge on first floor of MI]

Friday March 15

07:00 am – 08:30 am Breakfast
[158 MCC]

08:30 am Welcome & Introduction  
John Z. Kiss, Chair MWASPB  
David A. Francko, Chair, Botany Dept., Miami University
[186 MCC]

08:45 am—10:15 am Session I Talks: Moderator: Steve Rodermel
[186 MCC]

8:45 am Effect of GFP expression in Transformation Efficiency of Maize  
Y. Wan, S. Subbarao, S. Flasinski, Y. Qi and D. Duncan Monsanto

9:00 am Characterization of the Gl15 gene in transgenic maize  
S. Moose, A. Kampani (G)  
University of Illinois

9:15 am Pausing of D1 translation due to high light at low temperature  
A. K. Grennan and Don Ort (G)  
University of Illinois

9:30 am Site-Specific Mutagenesis Yields Insights into the Stabilization of QB-  
Sean Padden, Jun Minagawa, Tim Miller and Antony Crofts (G)  
University of Illinois

9:45 am Modulation of the directionality of PSII electron transfer by mutagenesis of the D1-E130 in Chlamydomonas  
L. Xiong, HG, Johnston, M. Seibert, MR. Wasielewski, RT. Sayre (G)  
The Ohio State University

10:00 am Maltose is the predominant form of carbon export from the chloroplast at night  
Sean Weise, Thomas D. Sharkey  
University of Wisconsin – Madison

10:15 am—10:30 am BREAK

10:30 am—12:00 pm Session II Talks: Moderator: Karen Koster  
[186 MCC]

10:30 am Protein phosphorylation plays a role in sucrose-regulation of sucrose symporter expression, phloem loading and assimilate partitioning  
Wendy Ransom-Hodgkins, Matthew Vaughn, Daniel Bush  
University of Illinois
10:45 am  
**Modification of Cassava for Enhanced Starch Production**
Uzoma E. Ihemere, Diana I. Arias-Garzon and Richard T. Sayre
The Ohio State University

11:00 am  
**The Role of Cytosolic Starch Phosphorylase and Disproportionating Enzyme in Starch Breakdown**
Yan Lu and Thomas D. Sharkey (G)
University of Wisconsin -- Madison

11:15 am  
**On the track of isoprene synthesis**
M.Wolfertz
University of Bonn, Germany

11:30 am  
**Evolutionary history of plant terpene synthases**
Thomas Sharkey and Eunsoo Kim (G)
University of Wisconsin -- Madison

11:45 am  
**The Evolutionary History of Nitrogen Fixation, as assessed by nifD**
Brian J. Henson, Linda E. Watson, Susan R. Barnum (G)
Miami University

12:00pm—01:00 pm
LUNCH

1:30 pm—2:30 pm
**Session III Talks: Moderator: Roger Hangarter**

1:00 pm  
**The GyPSi Mutants**
Matthew Shipp and Sarah Wyatt (UG)
Ohio University

1:15 pm  
**Light and the Induction of Secondary Xylem in Arabidopsis thaliana**
Jessica Sterling and Sarah Wyatt (UG)
Ohio University

1:30 pm  
**Light-Dependent Chlorophyll Biosynthesis in Arabidopsis**
Gregory Armstrong
The Ohio State University

1:45 pm  
**MFP1, a DNA-binding protein localized in the thylakoid membranes, is associated with photomorphogenesis and chloroplast development**
Sun Yong Jeong, Annkatrin Rose, and Iris Meier (G)
The Ohio State University

2:00 pm  
**Characterization of Light Induced Chloroplast Movement in Arabidopsis**
Darron Luesse, Stacy Deblasio, Jack Mullen, and Roger Hangarter (G)
Indiana University

2:15 pm  
**Hypocotyl Phototropism in Arabidopsis**
C W Whippo and R P Hangarter (G)
Indiana University

2:30—2:45 pm
BREAK

2:45 pm—4:30 pm
**Session IV Talks: Moderator: Nicholas Money**

2:45 pm  
**Effects of Light Quality on Root Phototropism in Arabidopsis**
Melanie J. Correll and John Z. Kiss
Miami University

3:00 pm  
**Phototropism and gravitropism in Arabidopsis lateral roots**
Kelly Roth (UG)
Miami University

3:15 pm

**Root Phototropism in Nicotiana sylvestris**
Sasha Y. Lucas, John Z. Kiss (G)
Miami University

3:30 pm

**Structure and expression of the pea phototropin1 gene**
DB Wormser, AA Santner, SN Chary and JC Watson (G)
Indiana University -- Purdue University, Indianapolis

3:45 pm

**The PsPK4 Gene from the Garden Pea Encodes Phototropin 1**
Rodney V. Oakley, S. Narasinha Chary and John C. Watson (G)
Indiana University -- Purdue University, Indianapolis

4:00 pm

**Light- and Hormonally-Regulated Expression of the PsPK3-type Protein Kinases**
Aaron A. Santner, S. Narasimha Chary, John C. Watson
Indiana University -- Purdue University, Indianapolis

4:15 pm

**The era of Genomics-Review**
Katam Ramesh, UC Jha, GT Patil
Lakshumi Agro Development Corporation

04:30pm—05:00 pm  Business meeting
[186 MCC]

05:00pm—06:00pm  Reception (soft drinks, beer, wine provided)
[Foyer of MCC]

06:00pm—8:30pm  Dinner
[158 MCC]

Keynote address: **Light regulated chloroplast movements in Arabidopsis**
Roger P. Hangarter
Indiana University

08:30 pm -- ??  Informal reception (cash bar available).
[lounge on first floor of MI]

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**Saturday March 16**

07:00 am – 08:00 am  Breakfast
[158 MCC]

08:15 am—9:45 am  **Session V Talks: Moderator: Richard Sayre**
[186 MCC]

8:15 am

**Toward cloning the biological clock from plants**
Kader Yagiz, Dorothy Morre and D. James Morre (G)
Purdue University

8:30 am

**Are NOX proteins the biochemical driver of the circadian clock?**
Xiaoyu Tang, Dorothy Morre and D. James Morre (G)
Purdue University

8:45 am

**Inheritance of seed dormancy in Eupatorium rugosum**
Dave L. Robinson and Joann M. Lau
Bellarmine University

9:00 am

**Is auxin the repressor signal of branch growth in apical control?**
Morris G. Cline and Kevin Sadeski
The Ohio State University

9:15 am

**Structure, expression and function of LeAGP-1, a tomato cell**
surface arabinogalactan-protein
  A Showalter, W Sun, ZD Zhao, M Chen and M Kieliszewski
  Ohio University

9:30 am  NaCl-induced cell death in suspension-cultured cells of
  Atriplex prostrata
  Li-Wen Wang and Allan M. Showalter (G)
  Ohio University

9:45 am—10:00 am  BREAK

10:00 am—11:30 am  Session VI Talks: Moderator: Melanie Correll
[186 MCC]

10:00 am  Calcium-binding activity of the dehydrin, ERD14, is regulated
  by phosphorylation
  Muath K. Alsheikh, Bruce J. Heyen, and Stephen K. Randall
  Indiana University -- Purdue University, Indianapolis

10:15 am  Identification and isolation of genes from soybean (Glycine
  max) orthologous to cold-regulated genes found in Arabidopsis
  thaliana
  S.M. Roberts and E.J. Stockinger (G)
  The Ohio State University/OARDC

10:30 am  Heavy Metal Biosensing in Chlamydomonas
  Jaime D. Ewalt and Richard T. Sayre (G)
  The Ohio State University

10:45 am  Proline action on heavy metal detoxification in microalgae
  S Siripornadulsi, S Traina, DPS Verma and RT Sayre (G)
  The Ohio State University

11:00 am  Identification And Fractionation Of Algal Exudates That Affect
  Bacterial Quorum Sensing
  S Rajamani, M Tiplitski, M Goa, D Bauer and RT Sayre (G)
  The Ohio State University

11:15 am  Conditioned Media: Identifying the Conditioning Factor and
  Quantifying Its Effect on Anthocyanin Production in Vaccinium
  pahalae.
  TF Burns Kraft, R Rogers, D Seigler and MAL Smith (G)
  University of Illinois

12:00pm—01:30 pm  Lunch
  Announcement of student awards