

# Angiosperm Phylogeny and Biotic Evolution

56<sup>th</sup> Annual Systematics Symposium  
Missouri Botanical Garden

Program of Events

Friday, October 9, 2009

9:00 a.m. – 9:00 p.m. **Registration:** Ridgway Center, 4344 Shaw Blvd.

3:00 p.m. – 5:00 p.m. **Herbarium Curators' Meeting:** Garden Room of the Ridgway Center. The Garden hosts this annual meeting to discuss topics of mutual interest and to serve as a forum for new ideas of importance for management and care of collections.

7:30 p.m. – 9:30 p.m. **Social for All Symposium Participants:** Monsanto Hall, mezzanine of Ridgway Center lobby.

Saturday, October 10, 2009

7:30 a.m. – 5:00 p.m. **Registration:** Ridgway Center

## Paper Sessions

**Morning Session:** Shoenberg Auditorium, Ridgway Center

**Moderator: Peter Stevens,** University of Missouri-St. Louis and Missouri Botanical Garden

8:30 a.m. Peter H. Raven, President, Missouri Botanical Garden, *Opening Remarks*

8:50 a.m. Andy Jones, *Monocot phylogeny: Past, present and future*

9:40 a.m. **Coffee Break.** 30 minutes, Orthwein Floral Hall

- 10:10 a.m. Paula Rudall, *What makes a monocot? Systematic characters that characterize higher-level taxonomic groups in monocots*
- 11:00 a.m. Thomas Givnish, *Towards an understanding of the phylogeny and diversification of Poales*
- 11:50 a.m. **Lunch** – Orthwein Floral Display Hall of the Ridgway Center

**Afternoon Session**, Shoenberg Auditorium, Ridgway Center

**Moderator: Peter Hoch, Missouri Botanical Garden**

- 2:00 p.m. Delzie Demaree Travel Award Announcement
- 2:10 p.m. Chris Schardl, *How and why do plant mutualists evolve? The grass endophyte story*
- 3:00 p.m. Coffee Break. 20 minutes, Orthwein Floral Hall
- 3:20 p.m. Doug Soltis, *Assembling the angiosperm tree of life: Progress and future prospects*
- 4:10 p.m. Kevin Boyce, *Angiosperms put the rain in the rainforests: The impact of plant evolution on tropical biodiversity*
- 5:00 p.m. **Pre-Dinner Drinks**, Spoehrer Plaza (weather permitting) or Monsanto Hall
- 6:30 p.m. **Dinner** – Monsanto Hall
- 7: 45 p.m. **Evening Speaker:** William “Ned” Friedman, *A Darwinian look at Darwin’s evolutionist ancestors*

Sunday, October 11, 2009

**Moderator: Peter Stevens**

- 8:30 a.m. Peter Endress, *Eudicots: Diversity and evolution of flowers*
- 9:20 a.m. Steven Manchester, *New perspectives on the biogeographic history of major angiosperm clades*
- 10:10 a.m. **Coffee Break.** 20 minutes, Orthwein Floral Hall
- 10:30 a.m. Bryan Danforth, *Phylogeny and temporal diversification of bees – some implications for plants*
- 11:20 a.m. Conrad Labandeira, *Paleohistory of plant/insect interactions*