

Schedule

The symposium will be held in the Christopher S. Bond Life Sciences Center at the University of Missouri. Registration and all presentations will be in **Monsanto Auditorium** (ground floor). The poster sessions, networking reception, and continental breakfasts, meals and coffee breaks will be in **McQuinn Atrium** (first floor).

Wednesday, May 27

8:00–5:00	Registration	
8:00–3:45	Poster Set-Up	
8:00–8:45	Continental Breakfast	
9:00–9:05	Welcome	Robert Sharp, Walter Gassmann, and Mel Oliver
9:05–9:15	Opening Remarks	Kenneth Dean, Deputy Provost
9:15–10:00	Opening Keynote	Session Chair: Mel Oliver
9:15	<i>Effects of Abiotic Stress on Plant Responses to Aphid (Myzus persicae) Infestation.....</i>	Christine Foyer
10:00–10:30	Session One	Session Chair: Felix Fritschi
10:00	<i>Connecting the Dots: Linking Receptor Kinase Activation to Downstream Immune Outputs</i>	Cyril Zipfel
10:30–11:00	Break	
11:00–12:30	Session One (continued)	
11:00	<i>Discovering New Plant Stress Tolerance Determinants – From Systems Biology to Gene Function</i>	Simon Barak
11:30	<i>Temperature Modulation of Plant Immunity – Lessons from Arabidopsis Autoimmune Mutants.....</i>	Jian Hua
12:00	<i>Dimensions of Plant Heat Tolerance</i>	Elizabeth Vierling
12:30–2:00	Lunch - Provided	
2:00–3:45	Session Two	Session Chair: Sona Pandey
2:00	<i>Modulation of R Gene Expression Across Environments</i>	Alice MacQueen
2:30	<i>Role of Plant Hormones in Flower Development and Fruit Set Under Temperature Stress.....</i>	Hagai Yasuor
2:45	<i>Uncovering Species and Tissue-Specific Responses of Crops to Ozone Stress</i>	Lisa Ainsworth
3:15	<i>Automated Segmentation of Biological Images for the Quantitative Analysis of Plant Stress Responses</i>	Michelle Leslie
3:30	“Speed Posters”	
3:45–6:00	Poster Session (light refreshments)	
3:45	Even Numbered Posters	
5:00	All Posters	
6:15–7:00	Evening Keynote	Session Chair: Walter Gassmann
6:15	<i>Calcium Specificity Signaling Mechanism in Abscisic Acid Signal Transduction in Arabidopsis Guard Cells</i>	Julian Schroeder

Thursday, May 28

- 8:00–5:00 Registration
8:00–8:45 Continental Breakfast
- 9:00–10:30 Session Three** **Session Chair: David Mendoza-Cózatl**
9:00 *Integrative ‘Omics Approaches to Understanding Desiccation Tolerance: Implications for Plant Drought Tolerance*..... **John Cushman**
9:30 *Molecular Mechanisms Underlying Arsenic Perception in Arabidopsis*..... **Antonio Leyva**
10:00 *The Interface Between Plant Responses to Insects and Other Plants Stressors* **Heidi Appel**
- 10:30–11:00 Break
- 11:00–12:30 Session Four** **Session Chair: Saadia Bihmidine**
11:00 *Soybean Defense Mechanisms Against Sclerotinia sclerotiorum* **Mehdi Kabbage**
11:30 *Microbial Symbionts Help Plants Cope with Stress*..... **Marilyn Roossinck**
12:00 *Big Data Meets Darwin’s “Entangled Bank”: The Macroecology and Botanical Diversity*..... **Brian Enquist**
- 12:30–2:30** Lunch – On Your Own
- 2:30–4:15 Session Five** **Session Chair: Abe Koo**
2:30 *Peps, a Multifaceted Peptide Family Regulating Defense Against Herbivores and Pathogens in Diverse Plant Species*..... **Alisa Huffaker**
3:00 *Identification of a Spliceosomal Protein Which Regulates Heat Shock Response Dynamics in Arabidopsis Using a High Content Screening System* **Nick Kaplinsky**
3:15 *Epigenetic Regulation of Responses to Stress* **Igor Kovalchuk**
3:45 *Regulation of Iron Acquisition from the Soil is Dependent on Post-Translational Events*..... **Regina Gratz**
4:00 Speed Posters
- 4:15–6:30 Poster Session (light refreshments)**
4:15 Odd Numbered Posters
5:30 All Posters
- 6:30–8:30 Student/PostDoc/Speaker Dinner** – Sponsored by Monsanto Company

Friday, May 29

- 8:00–12:00 Registration
8:00–8:45 Continental Breakfast
- 9:00–10:15 Session Six** **Session Chair: Melissa Mitchum**
9:00 *Plant Basal Defenses Against Nematodes – An Update* **Shahid Siddique**
9:30 *Root to Shoot Signaling During Stress: Closing the Gap Between Stomatal Control and Long-Distance Plant Signals* **Taryn Bauerle**
10:00 *At14a-Like1 (AFL1) Participates in Plasma Membrane-Endomembrane Signaling Promoting Growth During Drought in Arabidopsis thaliana* **Paul Verslues**
- 10:15–11:00 Break
- 11:00–12:30 Session Seven** **Session Chair: Debbie Finke**
11:00 *Modulation of Plant Stress Responses by Beneficial Microbes*..... **Corné Pieterse**
11:30 *Systems Approaches to Understanding Abiotic Stress* **Peter McCourt**
12:00 *Biotic and Abiotic Interactions: Chances to Collaborate*..... **John Boyer**
- 12:30 Adjourn**