

Schedule

The 2010 Symposium on Plant Protein Phosphorylation will be held in the Christopher S. Bond Life Sciences Center on the Columbia campus of the University of Missouri. Registration and all presentations will be held in **Monsanto Auditorium** (ground floor). The poster sessions, Vendor Show, networking reception, and continental breakfasts and coffee breaks will be held in the **McQuinn Atrium** (first floor).

Wednesday, May 26

- 8:00–4:00 **Poster Set Up**
- 8:00 **Registration/Continental Breakfast**
- 9:00–10:00 **Keynote Address** **Moderator: J. Miernyk**
Wandering among the phosphates..... **D. Randall**
- 10:00–10:30 BREAK
- 10:30–12:20 Session I** **Moderator: J. Miernyk**
- 10:30 *Identifying novel vesicular trafficking components with roles in flg22-signaling and innate immunity* **A. Heese**
- 11:00 *Signaling and traffic control organ abscission in Arabidopsis* **M. Leslie**
- 11:20 *Arabidopsis casein kinase 1-like 6, a novel microtubule-associated enzyme* **J-Y. Lee**
- 11:50 *New insights into NIK-mediated defense signaling* **E. P.B. Fontes**
- 12:20–2:00 Lunch (on your own)**
- 2:00–5:30 Session II** **Moderator: B. Mooney**
- 2:00 *bif2 phosphorylates two proteins functioning in maize inflorescence development*..... **P. McSteen**
- 2:30 *Cytokinin signaling: A bacterial signaling paradigm in a eukaryotic world*..... **J. Kieber**
- 3:00 *The proximal-distal pattern of maize leaf growth is altered by mutations in a cytokinin receptor kinase protein*..... **M. G. Muszynski**
- 3:20–3:40 BREAK
- 3:40 *Regulation of polar auxin transport by protein phosphorylation in Arabidopsis seedlings* **G. K. Muday**
- 4:10 *Protein phosphatase 2A regulation of ethylene synthesis*..... **A. DeLong**
- 4:40 *The PP2C-SnRK2 complex: A central regulatory module of protein phosphorylation networks in abscisic acid signaling* **T. Umezawa**
- 5:00 *Living with uninvited guests: Molecular mechanisms of the interactions of Agrobacterium and Salmonella with plants* **H. Hirt**
- 5:30–8:00 Poster Session, Vendor Show, & Networking Reception**

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Thursday, May 27

7:30 Continental Breakfast

8:30–10:00 Session III Moderator: **A. Heese**

8:30 *MAPK networks as multivalent integrators of stress and development* **B. Ellis**

9:00 *Signaling during stomatal development: Challenges and rewards of cell-type specific phosphorylation states* **D. Bergmann**

9:30 *Dissection of the ERECTA receptor-like kinase signaling pathway in Arabidopsis* **E. Shpak**

10:00–10:30 BREAK

10:30–12:00 Session IV Moderator: **S. Zhang**

10:30 *High soil salinity: Metabolic adaptation, redox balance, and signaling* **C. Jonak**

11:00 *Protein kinases in ROS-mediated ABA signaling in guard cells* **J. M. Kwak**

11:30 *Activation of SOS2 protein kinase by its interaction with calcium sensors* **Y. Guo**

12:00–1:30 Networking Lunch (Registered Students, Postdocs, and Speakers only)

1:30–5:00 Session V Moderator: **J. Thelen**

1:30 *Charting signaling pathways in plant immunity using protein arrays* **S. Popescu**

2:00 *A mass spectrometry-based approach for identifying kinase-clients and its application to seed filling studies in oilseeds* **Y. Huang**

2:20 *Methionine oxidation as a redox switch controlling protein phosphorylation* **S. Huber**

2:50–3:20 BREAK

3:20 *Bioinformatics analysis and prediction for protein phosphorylation* **D. Xu**

3:50 *Deciphering nod factor transduction in Medicago truncatula using phosphoproteomics*... **P. Grimsrud**

4:30–6:00 Poster Session (4:30-5:15 Odd number; 5:15-6:00 Even Number)

6:30 Banquet for Prof. Douglas D. Randall (Tiger Hotel) ► TICKETS REQUIRED

Friday, May 28

8:00 Continental Breakfast

9:00–12:00 Session VI Moderator: **S. Peck**

9:00 *Arabidopsis MAP Kinase Phosphatase 1 is a negative regulator of PAMP responses and resistance against Pseudomonas syringae pv tomato* **J. Anderson**

9:30 *The MPK4 signaling hub and innate immunity* **M. Petersen**

10:00 Announcement of *Biochemical Journal's* Young Investigator Poster Award **J. Miernyk**

10:10–10:30 Break

10:30 *Pseudomonas syringae proteins modulating MAP kinase activity in the host plant* **J-M. Zhou**

11:00 *Cyclin-dependent kinases of plants control activity of the MAPK cascade that is required for cytokinesis* **Y. Machida**

11:20 *A WRKY transcription factor functions as a substrate of MPK3/MPK6 in regulating camalexin biosynthesis in Arabidopsis* **S. Zhang**

12:00 **Poster Take Down, Adjourn**