

Research

- 1169 **Rapid Phosphoproteomic Effects of Abscisic Acid (ABA) on Wild-Type and ABA Receptor-Deficient *A. thaliana* Mutants**
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- 1183 **DYn-2 Based Identification of *Arabidopsis* Sulfenomes**
[S] Salma Akter, Jingjing Huang, Nandita Bodra, Barbara De Smet, Khadija Wahni, Debbie Rombaut, Jarne Pauwels, Kris Gevaert, Kate Carroll, Frank Van Breusegem, and Joris Messens
- 1201 **Antiandrogens Act as Selective Androgen Receptor Modulators at the Proteome Level in Prostate Cancer Cells**
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- 1217 **Protein Methionine Sulfoxide Dynamics in *Arabidopsis thaliana* under Oxidative Stress**
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- 1230 **Discovery of Predictive Biomarkers for Litter Size in Boar Spermatozoa**
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- 1265 **A Human Platelet Receptor Protein Microarray Identifies the High Affinity Immunoglobulin E Receptor Subunit α (Fc ϵ R1 α) as an Activating Platelet Endothelium Aggregation Receptor 1 (PEAR1) Ligand**
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- 1275 **Quantitative Phosphoproteomics Reveals Pathways for Coordination of Cell Growth and Division by the Conserved Fission Yeast Kinase Pom1**
[S] Arminja N. Kettenbach, Lin Deng, Youjun Wu, Suzanne Baldissard, Mark E. Adamo, Scott A. Gerber, and James B. Moseley

On the cover: Confocal laser scanning micrograph of a soybean root nodule. Giant infected cells contain thousands of nitrogen-fixing bacteria that fill the cell as individual membrane compartments - symbiosomes. Formation and functionality of the symbiosome membrane, the interface between the plant and bacteria, is achieved by a unique combination of membrane proteins, which facilitate metabolite exchange between the partners and rearrangement of cell endomembranes for symbiosis. GFP fusion to GTPase Rab7 labels the symbiosome membrane and tonoplast of plant cell vacuoles. Endomembranes of nodules cells were counterstained by lipophilic dye FM4-64. For more details, see the article by Victoria C. Clarke *et al.*, pages 1301–1322.

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