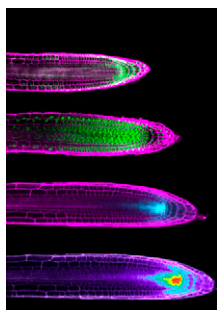


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**ON THE COVER**



The role of PLTs during root meristem development requires its concentration gradient, which is not only contributed by post-translational regulation such as growth dilution and intercellular movement, but likely also by fine-tuned transcriptional regulation for which not much has been known. Xiong et al. (pages 3812–3824) report that *Arabidopsis* JANUS positively regulates *PLT1* expression in the root meristem by recruiting RNA polymerase II (Pol II) on *PLT1* and by interacting with *PLT1*. JANUS-dependent recruitment of Pol II is inhibited through competitive binding of JANUS by GRF-INTERACTING FACTOR1/ANGUSTIFOLIA3 (GIF1/AN3), a transcriptional co-factor negatively regulating *PLT1* expression. Finally, GIF1 and JANUS, the antagonistic regulators of *PLT1*, both depend on *Arabidopsis* IMPORTIN  $\beta$ 4 (IMB4) for their nuclear accumulation. From top to bottom: the expression pattern of *IMB4*, *JANUS*, *PLT1*, and *PLT1* in pseudocolors reflecting signal intensity.

**EDITORIAL**

**Thank You, Editors and Reviewers of *The Plant Cell***<sup>[OPEN]</sup> 3639  
Nancy A. Eckardt and Blake C. Meyers

**IN BRIEF**

**Slice and Dice: DCL2 Mediates the Production of 22-Nucleotide siRNAs that Influence Trait Variation in Soybean**<sup>[OPEN]</sup> 3646  
Matthias Benoit

**Got Rosettes? Phenotype Them Fast, Accurately, and Easily with ARADEEPOPSIS**<sup>[OPEN]</sup> 3648  
Anne C. Rea

**Ripe for the Picking: Finding the Gene Behind Variation in Strawberry Fruit Color**<sup>[OPEN]</sup> 3650  
Jennifer Lockhart

**The Lure of Lignin: Deciphering High-value Lignin Formation in Seed Coats**<sup>[OPEN]</sup> 3652  
Brendan M O'Leary

**Hold Me, Fold Me...or Not!**<sup>[OPEN]</sup> 3654  
Gregory Bertoni

**How to Eat One's Feelings: Autophagy and Phosphatidylinositol 3-Phosphate**<sup>[OPEN]</sup> 3656  
Patrice A. Salomé

**Zones of Defense? SA Receptors Have It Under Control**<sup>[OPEN]</sup> 3658  
Hanna Hörak

**LETTER TO THE EDITOR**

**Ready, Primed, Go: Ending the Racism Pandemic in Science**<sup>[OPEN]</sup> 3660  
Sona Pandey

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## BREAKTHROUGH REPORT

- Soybean DICER-LIKE2 Regulates Seed Coat Color via Production of Primary 22-Nucleotide Small Interfering RNAs from Long Inverted Repeats** 3662  
Jinbu Jia, Ronghuan Ji, Zhuowen Li, Yiming Yu, Mayumi Nakano, Yanping Long, Li Feng, Chao Qin, Dongdong Lu, Junpeng Zhan, Rui Xia, Blake C. Meyers, Bin Liu, and Jixian Zhai

## LARGE-SCALE BIOLOGY ARTICLES

- ARADEEPOPSIS, an Automated Workflow for Top-View Plant Phenomics using Semantic Segmentation of Leaf States**<sup>[CC-BY]</sup> 3674  
Patrick Hüther, Niklas Schandry, Katharina Jandrasits, Ilja Bezrukov, and Claude Becker
- Alternative Crassulacean Acid Metabolism Modes Provide Environment-Specific Water-Saving Benefits in a Leaf Metabolic Model**<sup>[CC-BY]</sup> 3689  
Nadine Töpfer, Thomas Braam, Sanu Shameer, R. George Ratcliffe, and Lee J. Sweetlove

## RESEARCH ARTICLES

- Temporal Regulation of the Metabolome and Proteome in Photosynthetic and Photorespiratory Pathways Contributes to Maize Heterosis**<sup>[OPEN]</sup> 3706  
Zhi Li, Andan Zhu, Qingxin Song, Helen Y. Chen, Frank G. Harmon, and Z. Jeffrey Chen
- Allelic Variation of MYB10 Is the Major Force Controlling Natural Variation in Skin and Flesh Color in Strawberry (*Fragaria* spp.) Fruit**<sup>[OPEN]</sup> 3723  
Cristina Castillejo, Veronika Waurich, Henning Wagner, Rubén Ramos, Nicolás Oiza, Pilar Muñoz, Juan C. Triviño, Julie Caruana, Zhongchi Liu, Nicolás Cobo, Michael A. Hardigan, Steven J. Knapp, José G. Vallarino, Sonia Osorio, Carmen Martín-Pizarro, David Posé, Tuomas Toivainen, Timo Hytönen, Youngjae Oh, Christopher R. Barbey, Vance M. Whitaker, Seonghee Lee, Klaus Olbricht, José F. Sánchez-Sevilla, and Iraida Amaya
- Ectopic Expression of the Transcriptional Regulator *silky3* Causes Pleiotropic Meristem and Sex Determination Defects in Maize Inflorescences** 3750  
Haishan Luo, Dexuan Meng, Hongbing Liu, Mujiao Xie, Changfa Yin, Fang Liu, Zhaobin Dong, and Weiwei Jin
- SPIKE1 Activates the GTPase ROP6 to Guide the Polarized Growth of Infection Threads in *Lotus japonicus***<sup>[OPEN]</sup> 3774  
Jing Liu, Miao Xia Liu, Li Ping Qiu, and Fang Xie
- SAUR17 and SAUR50 Differentially Regulate PP2C-D1 during Apical Hook Development and Cotyledon Opening in *Arabidopsis***<sup>[OPEN]</sup> 3792  
Jiajun Wang, Ning Sun, Fangfang Zhang, Renbo Yu, Haodong Chen, Xing Wang Deng, and Ning Wei
- Transcriptional Regulation of *PLETHORA1* in the Root Meristem Through an Importin and Its Two Antagonistic Cargos** 3812  
Feng Xiong, Bi-Ke Zhang, Hai-Hong Liu, Guo Wei, Ju-Hua Wu, Ya-Nan Wu, Yan Zhang, and Sha Li
- Substrate Specificity of LACCASE8 Facilitates Polymerization of Caffeoyl Alcohol for C-Lignin Biosynthesis in the Seed Coat of *Cleome hassleriana***<sup>[OPEN]</sup> 3825  
Xin Wang, Chunliu Zhuo, Xirong Xiao, Xiaoqiang Wang, Maite Docampo-Palacios, Fang Chen, and Richard A. Dixon

<p><b>Molecular Mechanism Underlying the Synergetic Effect of Jasmonate on Abscisic Acid Signaling during Seed Germination in Arabidopsis<sup>[OPEN]</sup></b></p> <p>Jinjing Pan, Yanru Hu, Houping Wang, Qiang Guo, Yani Chen, Gregg A. Howe, and Diqiu Yu</p>	3846
<p><b>M-Type Thioredoxins Regulate the PGR5/PGRL1-Dependent Pathway by Forming a Disulfide-Linked Complex with PGRL1</b></p> <p>Yuki Okegawa and Ken Motohashi</p>	3866
<p><b>Chloroplast Chaperonin-Mediated Targeting of a Thylakoid Membrane Protein</b></p> <p>Laura Klasek, Kentaro Inoue, and Steven M. Theg</p>	3884
<p><b>Abscisic Acid-Triggered Persulfidation of the Cys Protease ATG4 Mediates Regulation of Autophagy by Sulfide</b></p> <p>Ana M. Laureano-Marín, Ángeles Aroca, M. Esther Pérez-Pérez, Inmaculada Yruela, Ana Jurado-Flores, Inmaculada Moreno, José L. Crespo, Luis C. Romero, and Cecilia Gotor</p>	3902
<p><b>Regulation of Aluminum Resistance in Arabidopsis Involves the SUMOylation of the Zinc Finger Transcription Factor STOP1</b></p> <p>Qiu Fang, Jie Zhang, Yang Zhang, Ni Fan, Harrold A. van den Burg, and Chao-Feng Huang</p>	3921
<p><b>AUTOPHAGY-RELATED14 and Its Associated Phosphatidylinositol 3-Kinase Complex Promote Autophagy in Arabidopsis</b></p> <p>Fen Liu, Weiming Hu, Faqiang Li, Richard S. Marshall, Xavier Zarza, Teun Munnik, and Richard D. Vierstra</p>	3939
<p><b>Grass-Specific EPAD1 Is Essential for Pollen Exine Patterning in Rice<sup>[OPEN]</sup></b></p> <p>HuanJun Li, Yu-Jin Kim, Liu Yang, Ze Liu, Jie Zhang, Haotian Shi, Guoqiang Huang, Staffan Persson, Dabing Zhang, and Wanqi Liang</p>	3961
<p><b>The Cotton Wall-Associated Kinase GhWAK7A Mediates Responses to Fungal Wilt Pathogens by Complexing with the Chitin Sensory Receptors<sup>[OPEN]</sup></b></p> <p>Ping Wang, Lin Zhou, Pierce Jamieson, Lin Zhang, Zhixue Zhao, Kevin Babilonia, Wenyong Shao, Lizhu Wu, Roma Mustafa, Imran Amin, Alessandra Diomaiuti, Daniela Pontiggia, Simone Ferrari, Yuxia Hou, Ping He, and Libo Shan</p>	3978
<p><b>Diverse Roles of the Salicylic Acid Receptors NPR1 and NPR3/NPR4 in Plant Immunity</b></p> <p>Yanan Liu, Tongjun Sun, Yulin Sun, Yanjun Zhang, Ana Radojčić, Yuli Ding, Hainan Tian, Xingchuan Huang, Jiameng Lan, Siyu Chen, Alberto Ruiz Orduna, Kewei Zhang, Reinhard Jetter, Xin Li, and Yuelin Zhang</p>	4002

## CORRECTION

Rodrigues, A., et al. (2013). ABI1 and PP2CA phosphatases are negative regulators of Snf1-Related Protein Kinase1 signaling in *Arabidopsis*. *Plant Cell* **25**: 3871–3884.

4017

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