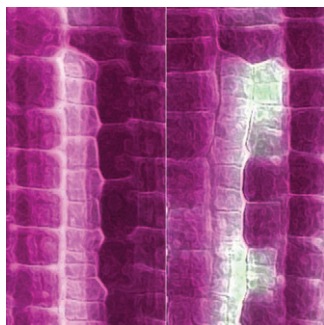


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ON THE COVER



Correct specification of cell fate is critical during development of multicellular organisms, and it requires precise regulatory mechanisms to ensure robust cell type patterns. Kang et al. (pages 1080–1094) investigated the role of *MYB23* in the *Arabidopsis* root, which encodes a MYB-type transcription factor. They found that *MYB23* is necessary for precise establishment of the root epidermal pattern, particularly under the conditions that compromise the cell specification process. The results show that *MYB23* participates in a positive feedback loop that reinforces cell fate decisions and ensures robust establishment of the cell type pattern. The cover shows the disrupted expression pattern of a *PGL2:GUS* reporter gene in an epidermal clone in the *myb23* mutant (right) compared with the position-dependent expression pattern in a wild-type epidermal clone (left).

EDITORIAL

Guidelines for Quantitative RT-PCR 1023
Cathie Martin

IN THIS ISSUE

Deep Sequencing Maps the Maize Epigenomic Landscape 1024
Nancy A. Eckardt

IN BRIEF

Rice Axillary Meristem Formation Requires Directional Movement of LAX PANICLE1 Protein 1027
Jennifer Mach

Cortical Microtubules Regulate the Insertion of Cellulose Synthase Complexes in the Plasma Membrane 1028
Kathleen L. Farquharson

A *Volvox* Inversionless Mutant Highlights the Importance of the Extracellular Matrix in Morphogenesis 1029
Nancy A. Eckardt

Pexophagy in Fungal Pathogenesis 1030
Gregory Bertoni

LETTER TO THE EDITOR

Real-Time Quantitative RT-PCR: Design, Calculations, and Statistics 1031
Ivo Rieu and Stephen J. Powers

REVIEW

Web-Queryable Large-Scale Data Sets for Hypothesis Generation in Plant Biology 1034
Siobhan M. Brady and Nicholas J. Provart

RESEARCH ARTICLES

Genome-Wide and Organ-Specific Landscapes of Epigenetic Modifications and Their Relationships to mRNA and Small RNA Transcriptomes in Maize 1053
Xiangfeng Wang, Axel A. Elling, Xueyong Li, Ning Li, Zhiyu Peng, Guangming He, Hui Sun, Yijun Qi, X. Shirley Liu, and Xing Wang Deng

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- Members of the GCN5 Histone Acetyltransferase Complex Regulate PLETHORA-Mediated Root Stem Cell Niche Maintenance and Transit Amplifying Cell Proliferation in *Arabidopsis*** [W](#) 1070
Noortje Kornet and Ben Scheres
- The *MYB23* Gene Provides a Positive Feedback Loop for Cell Fate Specification in the *Arabidopsis* Root Epidermis** [C](#) [W](#) 1080
Yeon Hee Kang, Victor Kirik, Martin Hulskamp, Kyoung Hee Nam, Katherine Hagely, Myeong Min Lee, and John Schiefelbein
- Two-Step Regulation of *LAX PANICLE1* Protein Accumulation in Axillary Meristem Formation in Rice** [W](#) 1095
Tetsuo Oikawa and Junko Kyoizuka
- GLK Transcription Factors Coordinate Expression of the Photosynthetic Apparatus in *Arabidopsis*** [W](#) [OA](#) 1109
Mark T. Waters, Peng Wang, Muris Korkaric, Richard G. Capper, Nigel J. Saunders, and Jane A. Langdale
- The WD40 Repeat Protein NEDD1 Functions in Microtubule Organization during Cell Division in *Arabidopsis thaliana*** [W](#) 1129
C.J. Tracy Zeng, Y.-R. Julie Lee, and Bo Liu
- Pausing of Golgi Bodies on Microtubules Regulates Secretion of Cellulose Synthase Complexes in *Arabidopsis*** [W](#) 1141
Elizabeth Faris Crowell, Volker Bischoff, Thierry Desprez, Aurélie Rolland, York-Dieter Stierhof, Karin Schumacher, Martine Gonneau, Herman Höfte, and Samantha Vernhettes
- Identifying New Components Participating in the Secondary Cell Wall Formation of Vessel Elements in *Zinnia* and *Arabidopsis*** [W](#) 1155
Satoshi Endo, Edouard Pesquet, Masatoshi Yamaguchi, Gen Tashiro, Mayuko Sato, Kiminori Toyooka, Nobuyuki Nishikubo, Makiko Udagawa-Motose, Minoru Kubo, Hiroo Fukuda, and Taku Demura
- Controlled Enlargement of the Glycoprotein Vesicle Surrounding a *Volvox* Embryo Requires the InvB Nucleotide-Sugar Transporter and Is Required for Normal Morphogenesis** [W](#) 1166
Noriko Ueki and Ichiro Nishii
- Suppression of Repeat-Mediated Gross Mitochondrial Genome Rearrangements by *RecA* in the Moss *Physcomitrella patens*** [C](#) [W](#) 1182
Masaki Odahara, Haruko Kuroiwa, Tsuneyoshi Kuroiwa, and Yasuhiko Sekine
- The RNA Binding Protein ELF9 Directly Reduces *SUPPRESSOR OF OVEREXPRESSION OF CO1* Transcript Levels in *Arabidopsis*, Possibly via Nonsense-Mediated mRNA Decay** [W](#) 1195
Hae-Ryong Song, Ju-Dong Song, Jung-Nam Cho, Richard M. Amasino, Bosl Noh, and Yoo-Sun Noh
- A Mobile Secretory Vesicle Cluster Involved in Mass Transport from the Golgi to the Plant Cell Exterior** [W](#) [OA](#) 1212
Kiminori Toyooka, Yumi Goto, Satoru Asatsuma, Masato Koizumi, Toshiaki Mitsui, and Ken Matsuoka
- Arabidopsis* LTPG Is a Glycosylphosphatidylinositol-Anchored Lipid Transfer Protein Required for Export of Lipids to the Plant Surface** [W](#) [OA](#) 1230
Allan DeBono, Trevor H. Yeats, Jocelyn K.C. Rose, David Bird, Reinhard Jetter, Ljerka Kunst, and Lacey Samuels
- Leucine Aminopeptidase Regulates Defense and Wound Signaling in Tomato Downstream of Jasmonic Acid** [W](#) 1239
Jonathan H. Fowler, Javier Narváez-Vásquez, Dale N. Aromdee, Véronique Pautot, Frances M. Holzer, and Linda L. Walling
- Misexpression of *FATTY ACID ELONGATION1* in the *Arabidopsis* Epidermis Induces Cell Death and Suggests a Critical Role for Phospholipase A2 in This Process** [W](#) 1252
José J. Reina-Pinto, Derry Voisin, Sergey Kurdyukov, Andrea Faust, Richard P. Haslam, Louise V. Michaelson, Nadia Efremova, Benni Franke, Lukas Schreiber, Johnathan A. Napier, and Alexander Yephremov
- Interaction Transcriptome Analysis Identifies *Magnaporthe oryzae* BAS1-4 as Biotrophy-Associated Secreted Proteins in Rice Blast Disease** [W](#) [OA](#) 1273
Gloria Mosquera, Martha C. Giraldo, Chang Hyun Khang, Sean Coughlan, and Barbara Valent


Atg26-Mediated Pexophagy Is Required for Host Invasion by the Plant Pathogenic Fungus *Colletotrichum orbiculare*   1291

Makoto Asakura, Sachiko Ninomiya, Miki Sugimoto, Masahide Oku, Shun-ichi Yamashita, Tetsuro Okuno, Yasuyoshi Sakai, and Yoshitaka Takano

***Xanthomonas* T3S Effector XopN Suppresses PAMP-Triggered Immunity and Interacts with a Tomato Atypical Receptor-Like Kinase and TFT1**  1305

Jung-Gun Kim, Xinyan Li, Julie Anne Roden, Kyle W. Taylor, Chris D. Aakre, Bessie Su, Sylvie Lalonde, Angela Kirik, Yanhui Chen, Gayathri Baranage, Heather McLane, Gregory B. Martin, and Mary Beth Mudgett

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