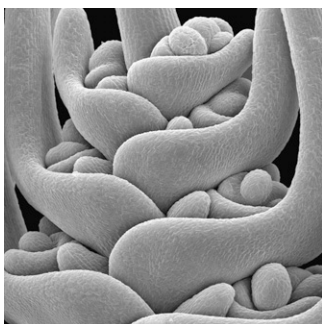


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ON THE COVER



Suppression of growth of inflorescence leaves, or bracts, has evolved multiple times in diverse angiosperm lineages. Several genes involved in bract suppression have been identified in *Arabidopsis*, but it is not known whether homologs of these genes play a similar role in other plants with suppressed bracts. Whipple et al. (pages 565–578) identify maize *Tsh1*, which encodes a GATA zinc-finger protein that is involved in bract suppression in maize. They show that the bract suppression function of *Tsh1* is conserved in the grass family, but not in the homologous *Arabidopsis* gene *HAN*, suggesting the evolution of distinct bract suppression mechanisms in these lineages. The cover shows an electron micrograph image of the inflorescence of a barley mutant featured in the article.

IN BRIEF

- Myo*-Inositol Biosynthesis Genes in *Arabidopsis*: Differential Patterns of Gene Expression and Role in Cell Death** 537
Nancy A. Eckardt
- Different Words, Same Message: How Grasses and *Arabidopsis* Say “Hold the Bract”** 538
Jennifer Mach
- Apomixis and Gene Expression in *Boechera*** 539
Nancy R. Hofmann
- Gibberellin-Auxin Crosstalk Modulates Lateral Root Formation** 540
Kathleen L. Farquharson

REVIEW

- Calcium Signals: The Lead Currency of Plant Information Processing** 541
Jörg Kudla, Oliver Batistič, and Kenji Hashimoto

RESEARCH ARTICLES

- A Conserved Mechanism of Bract Suppression in the Grass Family** [W](#)[O](#)[A](#) 565
Clinton J. Whipple, Darren H. Hall, Stacy DeBlasio, Fumio Taguchi-Shiobara, Robert J. Schmidt, and David P. Jackson
- Sieve Tube Geometry in Relation to Phloem Flow** 579
Daniel L. Mullendore, Carel W. Windt, Henk Van As, and Michael Knoblauch
- PSEUDO-RESPONSE REGULATORS 9, 7, and 5 Are Transcriptional Repressors in the *Arabidopsis* Circadian Clock** [W](#)[O](#)[A](#) 594
Norihito Nakamichi, Takatoshi Kiba, Rossana Henriques, Takeshi Mizuno, Nam-Hai Chua, and Hitoshi Sakakibara
- F-Box Proteins FKF1 and LKP2 Act in Concert with ZEITLUPE to Control *Arabidopsis* Clock Progression** [C](#)[W](#) 606
Antoine Baudry, Shogo Ito, Young Hun Song, Alexander A. Strait, Takatoshi Kiba, Sheen Lu, Rossana Henriques, José L. Pruneda-Paz, Nam-Hai Chua, Elaine M. Tobin, Steve A. Kay, and Takato Imaizumi
- Gibberellins Regulate Lateral Root Formation in *Populus* through Interactions with Auxin and Other Hormones** [C](#)[W](#) 623
Jiqing Gou, Steven H. Strauss, Chung Jui Tsai, Kai Fang, Yiru Chen, Xiangning Jiang, and Victor B. Busov
- SOMBRERO, BEARSKIN1, and BEARSKIN2 Regulate Root Cap Maturation in *Arabidopsis*** [C](#)[W](#) 640
Tom Bennett, Albert van den Toorn, Gabino F. Sanchez-Perez, Ana Campilho, Viola Willemsen, Berend Snel, and Ben Scheres

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- Apomictic and Sexual Ovules of *Boecheera* Display Heterochronic Global Gene Expression Patterns** [C](#) [W](#) [O](#) [A](#) 655
Timothy F. Sharbel, Marie-Luise Voigt, José M. Corral, Giulio Galla, Jochen Kumlehn, Christian Klukas, Falk Schreiber, Heiko Vogel, and Björn Rotter
- Carbon Starved Anther* Encodes a MYB Domain Protein That Regulates Sugar Partitioning Required for Rice Pollen Development** [W](#) [O](#) [A](#) 672
Hui Zhang, Wanqi Liang, Xijia Yang, Xue Luo, Ning Jiang, Hong Ma, and Dabing Zhang
- The *Arabidopsis* Floral Homeotic Proteins APETALA3 and PISTILLATA Negatively Regulate the *BANQUO* Genes Implicated in Light Signaling** [W](#) 690
Chloe D. Mara, Tengbo Huang, and Vivian F. Irish
- SHORT HYPOCOTYL UNDER BLUE1 Truncations and Mutations Alter Its Association with a Signaling Protein Complex in *Arabidopsis*** [W](#) 703
Yun Zhou and Min Ni
- MGOUN1* Encodes an *Arabidopsis* Type IB DNA Topoisomerase Required in Stem Cell Regulation and to Maintain Developmentally Regulated Gene Silencing** [W](#) 716
Philipp Graf, Alicja Dolzblasz, Tobias Würschum, Michael Lenhard, Ulrike Pfreundt, and Thomas Laux
- The *Arabidopsis* Stem Cell Factor POLTERGEIST Is Membrane Localized and Phospholipid Stimulated** [W](#) [O](#) [A](#) 729
Jennifer M. Gagne and Steven E. Clark
- Spatial Configuration of Transposable Element *Ac* Termini Affects Their Ability to Induce Chromosomal Breakage in Maize** [C](#) [W](#) 744
Chuanhe Yu, Jianbo Zhang, Vinay Pulletikurti, David F. Weber, and Thomas Peterson
- Arabidopsis* Homologs of Nucleus- and Phragmoplast-Localized Kinase 2 and 3 and Mitogen-Activated Protein Kinase 4 Are Essential for Microtubule Organization** [W](#) 755
Martina Beck, George Komis, Jens Müller, Diedrik Menzel, and Jozef Samaj
- The Coiled-Coil Protein VIG1 Is Essential for Tethering Vacuoles to Mitochondria during Vacuole Inheritance of *Cyanidioschyzon merolae*** [C](#) [W](#) [O](#) [A](#) 772
Takayuki Fujiwara, Haruko Kuroiwa, Fumi Yagisawa, Mio Ohnuma, Yamato Yoshida, Masaki Yoshida, Keiji Nishida, Osami Misumi, Satoru Watanabe, Kan Tanaka, and Tsuneyoshi Kuroiwa
- bZIP28 and NF-Y Transcription Factors Are Activated by ER Stress and Assemble into a Transcriptional Complex to Regulate Stress Response Genes in *Arabidopsis*** [W](#) [O](#) [A](#) 782
Jian-Xiang Liu and Stephen H. Howell
- Internal Architecture of Mitochondrial Complex I from *Arabidopsis thaliana*** 797
Jennifer Klodmann, Stephanie Sunderhaus, Manfred Nimtz, Lothar Jänsch, and Hans-Peter Braun
- ANKYRIN REPEAT-CONTAINING PROTEIN 2A Is an Essential Molecular Chaperone for Peroxisomal Membrane-Bound ASCORBATE PEROXIDASE3 in *Arabidopsis*** [W](#) [O](#) [A](#) 811
Guoxin Shen, Sundaram Kuppu, Sujatha Venkataramani, Jing Wang, Juqiang Yan, Xiaoyun Qiu, and Hong Zhang
- RNAi Suppression of *Arogenate Dehydratase1* Reveals That Phenylalanine Is Synthesized Predominantly via the Arogenate Pathway in *Petunia* Petals** [C](#) [W](#) 832
Hiroshi Maeda, Ajit K Shasany, Jennifer Schnepp, Irina Orlova, Goro Taguchi, Bruce R. Cooper, David Rhodes, Eran Pichersky, and Natalia Dudareva
- Genomic and Coexpression Analyses Predict Multiple Genes Involved in Triterpene Saponin Biosynthesis in *Medicago truncatula*** [C](#) [W](#) 850
Marina A. Naoumkina, Luzia V. Modolo, David V. Huhman, Ewa Urbanczyk-Wochniak, Yuhong Tang, Lloyd W. Sumner, and Richard A. Dixon

- Alkylresorcinol Synthases Expressed in *Sorghum bicolor* Root Hairs Play an Essential Role in the Biosynthesis of the Allelopathic Benzoquinone Sorgoleone** [W](#) [OA](#) 867
Daniel Cook, Agnes M. Rimando, Thomas E. Clemente, Joachim Schröder, Franck E. Dayan, N.P. Dhammika Nanayakkara, Zhiqiang Pan, Brice P. Noonan, Mark Fishbein, Ikuro Abe, Stephen O. Duke, and Scott R. Baerson
- The *Arabidopsis thaliana* Myo-Inositol 1-Phosphate Synthase1 Gene Is Required for Myo-inositol Synthesis and Suppression of Cell Death** [W](#) 888
Janet L. Donahue, Shannon R. Alford, Javad Torabinejad, Rachel E. Kerwin, Aida Nourbakhsh, W. Keith Ray, Marcy Hernick, Xinyi Huang, Blair M. Lyons, Pyae P. Hein, and Glenda E. Gillaspay
- High-Affinity Manganese Uptake by the Metal Transporter NRAMP1 Is Essential for *Arabidopsis* Growth in Low Manganese Conditions** [C](#) [W](#) 904
Rémy Cailliatte, Adam Schikora, Jean-François Briat, Stéphane Mari, and Catherine Curie
- Endosome-Associated CRT1 Functions Early in Resistance Gene-Mediated Defense Signaling in *Arabidopsis* and Tobacco** [W](#) 918
Hong-Gu Kang, Chang-Sik Oh, Masanao Sato, Fumiaki Katagiri, Jane Glazebrook, Hideki Takahashi, Pradeep Kachroo, Gregory B. Martin, and Daniel F. Klessig
- Promoters of the Barley Germin-Like *GER4* Gene Cluster Enable Strong Transgene Expression in Response to Pathogen Attack** [W](#) [OA](#) 937
Axel Himmelbach, Luo Liu, Uwe Zierold, Lothar Altschmied, Helmut Maucher, Franziska Beier, Doreen Müller, Götz Hensel, Andreas Heise, Andres Schützendübel, Jochen Kumlehn, and Patrick Schweizer
- Common Genetic Pathways Regulate Organ-Specific Infection-Related Development in the Rice Blast Fungus** [W](#) 953
Sara L. Tucker, Maria I. Besi, Rita Galhano, Marina Franceschetti, Stephan Goetz, Steven Lenhart, Anne Osbourn, and Ane Sesma
- Innate Immune Responses Activated in *Arabidopsis* Roots by Microbe-Associated Molecular Patterns** [W](#) [OA](#) 973
Yves A. Millet, Cristian H. Danna, Nicole K. Clay, Wisuwat Songnuan, Matthew D. Simon, Danièle Werck-Reichhart, and Frederick M. Ausubel
- CORRECTION** 991

Jian Zhao and Richard A. Dixon (2009) MATE Transporters Facilitate Vacuolar Uptake of Epicatechin 3'-O-Glucoside for Proanthocyanidin Biosynthesis in *Medicago truncatula* and *Arabidopsis*. *Plant Cell* 21: 2323–2340.

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