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T H E
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REGULATION OF OVERWINTERING BUD DORMANCY IN GENTIAN

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ON THE COVER



Molecular mechanisms regulating dormancy in overwintering buds (OWBs) in herbaceous perennials such as gentian (*Gentiana*) are unclear. Takahashi et al. (pages 3949–3963) conducted targeted metabolome analysis to obtain clues about the metabolic mechanisms involved in regulating OWB dormancy. The results show that the oligosaccharide gentiobiose accumulates prior to budbreak and acts as a signal for dormancy release of gentian through the ascorbate-GSH pathway. The cover shows *Gentiana triflora* cv Iwate Yumeaoi, cultivated from a wild gentian species native to higher elevation meadows, forests, hills, and mountains of China, Mongolia, Eastern Russia, Korea, and Japan.

IN BRIEF

- Bitter Taste of Winter: Gentiobiose Regulates Overwintering Bud Dormancy in *Gentiana*** 3825
Jennifer Lockhart
- How ELONGATED HYPOCOTYL5 Helps Protect Plants from UV-B Rays** 3826
Jennifer Lockhart
- Lipids in Leaves: Fatty Acid β -Oxidation Affects Lipid Homeostasis** 3827
Jennifer Mach
- Simultaneous Monitoring of Leaf Growth and Leaf Movement** 3828
Nancy R. Hofmann

COMMENTARY

- Reliable Gene Expression Analysis by Reverse Transcription-Quantitative PCR: Reporting and Minimizing the Uncertainty in Data Accuracy** [W|OPEN](#) 3829
Tony Remans, Els Keunen, Geert Jan Bex, Karen Smeets, Jaco Vangronsveld, and Ann Cuypers
- Robust Self-Incompatibility in the Absence of a Functional *ARC1* Gene in *Arabidopsis thaliana*** 3838
June B. Nasrallah and Mikhail E. Nasrallah
- The *ARC1* E3 Ligase Promotes a Strong and Stable Self-Incompatibility Response in *Arabidopsis* Species: Response to the Nasrallah and Nasrallah Commentary** [OPEN](#) 3842
Daphne R. Goring, Emily Indriolo, and Marcus A. Samuel

REVIEW

- Plant Metabolic Modeling: Achieving New Insight into Metabolism and Metabolic Engineering** 3847
Kambiz Baghalian, Mohammad-Reza Hajirezaei, and Falk Schreiber

LARGE-SCALE BIOLOGY ARTICLES

- A Proteomic Strategy for Global Analysis of Plant Protein Complexes** [W|OPEN](#) 3867
Uma K. Aryal, Yi Xiong, Zachary McBride, Daisuke Kihara, Jun Xie, Mark C. Hall, and Daniel B. Szymanski

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Differential Nuclease Sensitivity Profiling of Chromatin Reveals Biochemical Footprints Coupled to Gene Expression and Functional DNA Elements in Maize [W|OPEN](#)

3883

Daniel L. Vera, Thelma F. Madzima, Jonathan D. Labonne, Mohammad P. Alam, Gregg G. Hoffman, S.B. Girimurugan, Jinfeng Zhang, Karen M. McGinnis, Jonathan H. Dennis, and Hank W. Bass

A Functional and Evolutionary Perspective on Transcription Factor Binding in *Arabidopsis thaliana* [C|W](#)

3894

Ken S. Heyndrickx, Jan Van de Velde, Congmao Wang, Detlef Weigel, and Klaas Vandepoele

Differentially Phased Leaf Growth and Movements in *Arabidopsis* Depend on Coordinated Circadian and Light Regulation [W](#)

3911

Tino Dornbusch, Olivier Michaud, Ioannis Xenarios, and Christian Fankhauser

RESEARCH ARTICLES

Chromatin-Dependent Repression of the *Arabidopsis* Floral Integrator Genes Involves Plant Specific PHD-Containing Proteins [C|W](#)

3922

Leticia López-González, Alfonso Mouriz, Laura Narro-Diego, Regla Bustos, José Miguel Martínez-Zapater, Jose A. Jarillo, and Manuel Piñeiro

Nonsyntenic Genes Drive Highly Dynamic Complementation of Gene Expression in Maize Hybrids [W](#)

3939

Anja Paschold, Nick B. Larson, Caroline Marcon, James C. Schnable, Cheng-Ting Yeh, Christa Lanz, Dan Nettleton, Hans-Peter Piepho, Patrick S. Schnable, and Frank Hochholdinger

The Gentio-Oligosaccharide Gentiobiose Functions in the Modulation of Bud Dormancy in the Herbaceous Perennial *Gentiana* [C|W](#)

3949

Hideyuki Takahashi, Tomohiro Imamura, Naotake Konno, Takumi Takeda, Kohei Fujita, Teruko Konishi, Masahiro Nishihara, and Hirofumi Uchimiya

Jasmonoyl-L-Isoleucine Coordinates Metabolic Networks Required for Anthesis and Floral Attractant Emission in Wild Tobacco (*Nicotiana attenuata*) [C|W|OPEN](#)

3964

Michael Stitz, Markus Hartl, Ian T. Baldwin, and Emmanuel Gaquerel

The *Arabidopsis* Ethylene/Jasmonic Acid-NRT Signaling Module Coordinates Nitrate Reallocation and the Trade-Off between Growth and Environmental Adaptation [W|OPEN](#)

3984

Guo-Bin Zhang, Hong-Ying Yi, and Ji-Ming Gong

Evening Expression of *Arabidopsis* *GIGANTEA* Is Controlled by Combinatorial Interactions among Evolutionarily Conserved Regulatory Motifs [C|W|OPEN](#)

3999

Markus C. Bems, Karl Nordström, Frédéric Cremer, Réka Tóth, Martin Hartke, Samson Simon, Jonas R. Klasen, Ingmar Bürstel, and George Coupland

A Microbial Avenue to Cell Cycle Control in the Plant Superkingdom [C|W|OPEN](#)

4019

Frej Tulin and Frederick R. Cross

FAMA Is an Essential Component for the Differentiation of Two Distinct Cell Types, Myrosin Cells and Guard Cells, in *Arabidopsis* [W](#)

4039

Makoto Shirakawa, Haruko Ueda, Atsushi J. Nagano, Tomoo Shimada, Takayuki Kohchi, and Ikuko Hara-Nishimura

Myrosin Idioblast Cell Fate and Development Are Regulated by the *Arabidopsis* Transcription Factor FAMA, the Auxin Pathway, and Vesicular Trafficking [W](#)

4053

Meng Li and Fred D. Sack

Arabidopsis TTG2 Regulates *TRY* Expression through Enhancement of Activator Complex-Triggered Activation [C|W](#)

4067

Martina Pesch, Burcu Dartan, Rainer Birkenbihl, Imre E. Somssich, and Martin Hülskamp

Arabidopsis ATG8-INTERACTING PROTEIN1 Is Involved in Autophagy-Dependent Vesicular Trafficking of Plastid Proteins to the Vacuole [W|OPEN](#)

4084

Simon Michaeli, Arik Honig, Hanna Levanony, Hadas Peled-Zehavi, and Gad Galili

- Trans-Golgi Network-Located AP1 Gamma Adaptins Mediate Dileucine Motif-Directed Vacuolar Targeting in *Arabidopsis***  **4102**
- Xiangfeng Wang, Yi Cai, Hao Wang, Yonglun Zeng, Xiaohong Zhuang, Baiying Li, and Liwen Jiang
- Arabidopsis* Lipins, PDAT1 Acyltransferase, and SDP1 Triacylglycerol Lipase Synergistically Direct Fatty Acids toward β -Oxidation, Thereby Maintaining Membrane Lipid Homeostasis**  **4119**
- Jilian Fan, Chengshi Yan, Rebecca Roston, John Shanklin, and Changcheng Xu
- Quantitative Peptidomics Study Reveals That a Wound-Induced Peptide from PR-1 Regulates Immune Signaling in Tomato**  **4135**
- Ying-Lan Chen, Chi-Ying Lee, Kai-Tan Cheng, Wei-Hung Chang, Rong-Nan Huang, Hong Gil Nam, and Yet-Ran Chen
- CYCLIN-DEPENDENT KINASE8 Differentially Regulates Plant Immunity to Fungal Pathogens through Kinase-Dependent and -Independent Functions in *Arabidopsis***  **4149**
- Yingfang Zhu, Craig M. Schluttenhoffer, Pengcheng Wang, Fuyou Fu, Jyothi Thimmapuram, Jian-Kang Zhu, Sang Yeol Lee, Dae-Jin Yun, and Tesfaye Mengiste
- Salicylic Acid Regulates *Arabidopsis* Microbial Pattern Receptor Kinase Levels and Signaling**  **4171**
- Chika Tateda, Zhongqin Zhang, Jay Shrestha, Joanna Jelenska, Delphine Chinchilla, and Jean T. Greenberg
- Nod Factor Receptors Form Heteromeric Complexes and Are Essential for Intracellular Infection in *Medicago* Nodules**  **4188**
- Sjef Moling, Anna Pietraszewska-Bogiel, Marten Postma, Elena Fedorova, Mark A. Hink, Erik Limpens, Theodorus W.J. Gadella, and Ton Bisseling
- UV-B-Responsive Association of the *Arabidopsis* bZIP Transcription Factor ELONGATED HYPOCOTYL5 with Target Genes, Including Its Own Promoter**  **4200**
- Melanie Binkert, László Kozma-Bognár, Kata Terecskei, Lieven De Veylder, Ferenc Nagy, and Roman Ulm
- Critical Function of a *Chlamydomonas reinhardtii* Putative Polyphosphate Polymerase Subunit during Nutrient Deprivation**  **4214**
- Munevver Aksoy, Wirulda Pootakham, and Arthur R. Grossman

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