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On the Cover: Arabidopsis heterotrimeric G-protein subunits have differential roles in the modulation of cell division in roots. In the root apical meristem, the heterotrimer complex ($G\alpha\beta\gamma$) is an attenuator of cell proliferation, whereas the activated $G\alpha$ (GTP-bound $G\alpha$) is a positive modulator. Arabidopsis regulator of G-protein signaling (RGS) is a seven-transmembrane protein with a functional RGS box that accelerates the intrinsic GTPase activity of $G\alpha$. For the formation of lateral root, the $G\beta\gamma$ dimer acts largely independently of $G\alpha$ to negatively regulate cell division (Chen et al., pp. 887–897). Cover design by Alan Jones and Jin-Gui Chen.

ON THE INSIDE

Peter V. Minorsky 803

UPDATE

Metal Homeostasis in Cyanobacteria and Chloroplasts. Balancing Benefits and Risks to the Photosynthetic Apparatus. *Sigal Shcolnick and Nir Keren* 805

GENOME ANALYSIS

^[W]Identification of Genes with Potential Roles in Apple Fruit Development and Biochemistry through Large-Scale Statistical Analysis of Expressed Sequence Tags. *Sunchung Park, Nobuko Sugimoto, Matthew D. Larson, Randy Beaudry, and Steven van Nocker* 811

^[W]Formation of the Arabidopsis Pentatricopeptide Repeat Family. *Eric Rivals, Clémence Bruyère, Claire Toffano-Nioche, and Alain Lecharny* 825

RESEARCH ARTICLES

BIOCHEMICAL PROCESSES AND MACROMOLECULAR STRUCTURES

^[W]Redox Regulation of a Novel Plastid-Targeted β -Amylase of Arabidopsis. *Francesca Sparla, Alex Costa, Fiorella Lo Schiavo, Paolo Pupillo, and Paolo Trost* 840

Early Steps in the Biosynthesis of NAD in Arabidopsis Start with Aspartate and Occur in the Plastid. *Akira Katoh, Kazuya Uenohara, Mitsuru Akita, and Takashi Hashimoto* 851

Mutagenic Definition of a Papain-Like Catalytic Triad, Sufficiency of the N-Terminal Domain for Single-Site Core Catalytic Enzyme Acylation, and C-Terminal Domain for Augmentative Metal Activation of a Eukaryotic Phytochelatin Synthase. *Nataliya D. Romanyuk, Daniel J. Rigden, Olena K. Vatamaniuk, Albert Lang, Rebecca E. Cahoon, Joseph M. Jez, and Philip A. Rea* 858

Identification of a Mung Bean Arabinofuranosyltransferase That Transfers Arabinofuranosyl Residues onto (1, 5)-Linked α -L-Arabino-Oligosaccharides. *Teruko Konishi, Hiroshi Ono, Mayumi Ohnishi-Kameyama, Satoshi Kaneko, and Tadashi Ishii* 1098

Continued on next page

Continued from preceding page

Determination of Structural Requirements and Probable Regulatory Effectors for Membrane Association of Maize Sucrose Synthase 1. *Shane C. Hardin, Kateri A. Duncan, and Steven C. Huber* 1106

Comparative Genomic Analysis Revealed a Gene for Monoglucosyldiacylglycerol Synthase, an Enzyme for Photosynthetic Membrane Lipid Synthesis in Cyanobacteria. *Koichiro Awai, Takatoshi Kakimoto, Chie Awai, Takakazu Kaneko, Yuki Nakamura, Ken-ichiro Takamiya, Hajime Wada, and Hiroyuki Ohta* 1120

BIOENERGETICS AND PHOTOSYNTHESIS

The Evolutionarily Conserved Tetratricopeptide Repeat Protein Pale Yellow Green7 Is Required for Photosystem I Accumulation in Arabidopsis and Copurifies with the Complex. *Jana Stöckel, Stefan Bennewitz, Paul Hein, and Ralf Oelmüller* 870

Carbon Balance and Circadian Regulation of Hydrolytic and Phosphorolytic Breakdown of Transitory Starch. *Sean E. Weise, Stephen M. Schrader, Kyle R. Kleinbeck, and Thomas D. Sharkey* 879

CELL BIOLOGY AND SIGNAL TRANSDUCTION

^[W]Differential Roles of Arabidopsis Heterotrimeric G-Protein Subunits in Modulating Cell Division in Roots. *Jin-Gui Chen, Yajun Gao, and Alan M. Jones* 887

Defects in the Cytochrome *b*₆/*f* Complex Prevent Light-Induced Expression of Nuclear Genes Involved in Chlorophyll Biosynthesis. *Ning Shao, Olivier Vallon, Rachel Dent, Krishna K. Niyogi, and Christoph F. Beck* 1128

DEVELOPMENT AND HORMONE ACTION

^[OA]Surface Position, Not Signaling from Surrounding Maternal Tissues, Specifies Aleurone Epidermal Cell Fate in Maize. *Darren (Fred) Gruis, Hena Guo, David Selinger, Qing Tian, and Odd-Arne Olsen* 898

^[W]^[OA]Proteomic Investigation of the Effect of Salicylic Acid on Arabidopsis Seed Germination and Establishment of Early Defense Mechanisms. *Loïc Rajjou, Maya Belghazi, Romain Huguet, Caroline Robin, Adrien Moreau, Claudette Job, and Dominique Job* 910

Morphological Alteration Caused by Brassinosteroid Insensitivity Increases the Biomass and Grain Production of Rice. *Yoichi Morinaka, Tomoaki Sakamoto, Yoshiaki Inukai, Masakazu Agetsuma, Hidemi Kitano, Motoyuki Ashikari, and Makoto Matsuoka* 924

^[W]DAWDLE, a Forkhead-Associated Domain Gene, Regulates Multiple Aspects of Plant Development. *Erin R. Morris, David Chevalier, and John C. Walker* 932

^[W]The SCABRA3 Nuclear Gene Encodes the Plastid RpoTp RNA Polymerase, Which Is Required for Chloroplast Biogenesis and Mesophyll Cell Proliferation in Arabidopsis. *Andrea Hricová, Victor Quesada, and José Luis Micol* 942

Continued on next page

NUCLEAR FUSION DEFECTIVE1 Encodes the Arabidopsis RPL21M Protein and Is Required for Karyogamy during Female Gametophyte Development and Fertilization. *Michael F. Portereiko, Linda Sandaklie-Nikolova, Alan Lloyd, Chad A. Dever, Denichiro Otsuga, and Gary N. Drews* 957

^[W]RPA, a Class II ARFGAP Protein, Activates ARF1 and U5 and Plays a Role in Root Hair Development in Arabidopsis. *Xiu-Fen Song, Chun-Ying Yang, Jie Liu, and Wei-Cai Yang* 966

AINTEGUMENTA Contributes to Organ Polarity and Regulates Growth of Lateral Organs in Combination with **YABBY** Genes. *Staci Nole-Wilson and Beth A. Krizek* 977

ENVIRONMENTAL STRESS AND ADAPTATION TO STRESS

^[W]^[OA]PHO2, MicroRNA399, and PHR1 Define a Phosphate-Signaling Pathway in Plants. *Rajendra Bari, Bikram Datt Pant, Mark Stitt, and Wolf-Rüdiger Scheible* 988

^[W]*pho2*, a Phosphate Overaccumulator, Is Caused by a Nonsense Mutation in a MicroRNA399 Target Gene. *Kyaw Aung, Shu-I Lin, Chia-Chune Wu, Yu-Ting Huang, Chun-lin Su, and Tzyy-Jen Chiou* 1000

A Suppressor of *fab1* Challenges Hypotheses on the Role of Thylakoid Unsaturation in Photosynthetic Function. *Lenore Barkan, Perumal Vijayan, Anders S. Carlsson, Sergei Mekhedov, and John Browse* 1012

^[W]Trichomes of Tobacco Excrete Zinc as Zinc-Substituted Calcium Carbonate and Other Zinc-Containing Compounds. *Géraldine Sarret, Emiko Harada, Yong-Eui Choi, Marie-Pierre Isaure, Nicolas Geoffroy, Sirine Fakra, Matthew A. Marcus, Mandy Birschwilks, Stephan Clemens, and Alain Manceau* 1021

Heavy Metal Stress and Sulfate Uptake in Maize Roots. *Fabio F. Nocito, Clarissa Lancilli, Barbara Crema, Pierre Fourcroy, Jean-Claude Davidian, and Gian Attilio Sacchi* 1138

GENETICS, GENOMICS, AND MOLECULAR EVOLUTION

Quantitative Trait Loci Analysis of Primary Cell Wall Composition in Arabidopsis. *Grégory Mouille, Hanna Witucka-Wall, Marie-Pierre Bruyant, Olivier Loudet, Sandra Pelletier, Christophe Rihouey, Olivier Lerouxel, Patrice Lerouge, Herman Höfte, and Markus Pauly* 1035

Molecular Cloning and Characterization of β -Expansin Gene Related to Root Hair Formation in Barley. *Mirosław Kwasniewski and Iwona Szarejko* 1149

PLANTS INTERACTING WITH OTHER ORGANISMS

A Novel Lipoxigenase in Pea Roots. Its Function in Wounding and Biotic Stress. *Pasqua Veronico, Donato Giannino, M. Teresa Melillo, Antonella Leone, Aurelio Reyes, Malcolm W. Kennedy, and Teresa Blevé-Zacheo* 1045

^[W]Necrosis- and Ethylene-Inducing Peptide from *Fusarium oxysporum* Induces a Complex Cascade of Transcripts Associated with Signal Transduction and Cell Death in Arabidopsis. *Hanhong Bae, Moon S. Kim, Richard C. Sicher, Hyeun-Jong Bae, and Bryan A. Bailey* 1056

Biosynthesis of Ascorbic Acid in Legume Root Nodules. *Manuel A. Matamoros, Jorge Loscos, Maria J. Coronado, Javier Ramos, Shusei Sato, Pilar S. Testillano, Satoshi Tabata, and Manuel Becana* 1068

Continued from preceding page

SYSTEMS BIOLOGY, MOLECULAR BIOLOGY, AND GENE REGULATION

Illumination Is Necessary and Sufficient to Induce Histone Acetylation Independent of Transcriptional Activity at the C₄-Specific Phosphoenolpyruvate Carboxylase Promoter in Maize. *Sascha Offermann, Tanja Danker, Daniela Dreymüller, Rainer Kalamajka, Sonja Töpsch, Katrin Weyand, and Christoph Peterhänsel* 1078

A Conserved Mechanism Controls Translation of Rubisco Large Subunit in Different Photosynthetic Organisms. *Idan Cohen, Yair Sapir, and Michal Shapira* 1089

CORRECTION

Proteomic Analysis of Seed Filling in *Brassica napus*. Developmental Characterization of Metabolic Isozymes Using High-Resolution Two-Dimensional Gel Electrophoresis. *M. Hajduch, J.E. Casteel, K.E. Hurrelmeyer, Z. Song, G.K. Agrawal, and J.J. Thelen* 1159

^[W] Indicates Web-only data.

^[OA] Open Access articles can be viewed online without a subscription.