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 (Gαβγ) is an attenuator of cell proliferation, whereas the activated Gα (GTP-bound Gα) 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 Gα. For the formation of lateral root, the Gβγ dimer acts largely independently of Gα 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

UPDATE

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

GENOME ANALYSIS

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

Formation of the Arabidopsis Pentatricopeptide Repeat Family. Eric Ricots, Clémence Bruyère, Claire Toffano-Nioche, and Alain Lecharny

RESEARCH ARTICLES

BIOCHEMICAL PROCESSES AND MACROMOLECULAR STRUCTURES

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

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


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

Continued on next 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 Awayi, Takakazu Kaneko, Yuki Nakamura, Ken-ichiro Takamiya, Hajime Wada, and Hiroyuki Ohta 1120

BIOENERGETICS AND PHOTOSYNTHESIS

The Evolutionarily Conserved Tetratrico Peptide Repeat Protein Pale Yellow Green7 Is Required for Photosystem I Accumulation in Arabidopsis and Copurifies with the Complex. Jana Stockel, Stefan Bennewitz, Paul Hein, and Ralf Oelmuller 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

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 b6/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

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


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

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

The SCABRA3 Nuclear Gene Encodes the Plastid RpoTp RNA Polymerase, Which Is Required for Chloroplast Biogenesis and Mesophyll Cell Proliferation in Arabidopsis. Andrea Hricova, Victor Quesada, and Jose 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

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

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

ENVIRONMENTAL STRESS AND ADAPTATION TO STRESS

PHO2, MicroRNA399, and PHR1 Define a Phosphate-Signaling Pathway in Plants. Rajendra Bari, Bikram Datt Pant, Mark Stitt, and Wolf-Rüdiger Scheible


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

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

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

GENETICS, GENOMICS, AND MOLECULAR EVOLUTION

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

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

PLANTS INTERACTING WITH OTHER ORGANISMS


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

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

Continued from preceding page

Continued on next 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

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

CORRECTION

M. Hajduch, J.E. Casteel, K.E. Hurrelmeyer, Z. Song, G.K. Agrawal, and J.J. Thelen

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