ON THE COVER

Sparkes et al. (pages 3937–3949) use a novel analytical tool to investigate the relative roles of actin, microtubules, myosin, and Golgi bodies on the form and movement of the endoplasmic reticulum (ER) in tobacco leaf epidermal cells. The images show the persistency of microtubules (magenta, top two panels) or cisternae (magenta, bottom two panels) over 80 s of examination. The left panels show all tubules and cisternal structures; the right panels show only those tubules or cisternae large enough and persistent enough for counting. Cyan in all panels shows an ER marker linked to green fluorescent protein. The authors conclude that it is the actin myofilaments and, to some extent, certain myosins, and not microtubules, that drive changes in the form of the ER network and directionality of flow within the ER membrane.

EDITORIAL

ASPB Journals Launch CrossCheck
Cathie Martin and Don Ort

IN BRIEF

Functional and Phylogenetic Analysis of the Glutathione Transferase Gene Family in Poplar
Jennifer Mach and David Baum

Dynamic Histone Modifications in Light-Regulated Gene Expression
Nancy R. Hofmann

PERSPECTIVE: SPECIAL SERIES ON LARGE-SCALE BIOLOGY

PLAZA: A Comparative Genomics Resource to Study Gene and Genome Evolution in Plants
Sebastian Proost, Michiel Van Bel, Lieven Sterck, Kenny Billiau, Thomas Van Parys, Yves Van de Peer, and Klaas Vandepoele

RESEARCH ARTICLES

Dynamic Landscapes of Four Histone Modifications during Deetiolation in Arabidopsis
Jean-Benoit F. Charron, Hang He, Axel A. Elling, and Xing Wang Deng

Extensive Functional Diversification of the Populus Glutathione S-Transferase Supergene Family
Ting Lan, Zhi-Ling Yang, Xue Yang, Yan-Jing Liu, Xiao-Ru Wang, and Qing-Yin Zeng

Antagonistic HLH/bHLH Transcription Factors Mediate Brassinosteroid Regulation of Cell Elongation and Plant Development in Rice and Arabidopsis
Li-Ying Zhang, Ming-Yi Bai, Jinxia Wu, Jia-Ying Zhu, Hao Wang, Zhiguo Zhang, Wenfei Wang, Yu Sun, Jun Zhao, Xuehui Sun, Hongjuan Yang, Yunyuan Xu, Soo-Hwan Kim, Shozo Fujioka, Wen-Hui Lin, Kang Chong, Tiegang Lu, and Zhi-Yong Wang

Regulation of Arabidopsis Brassinosteroid Signaling by Atypical Basic Helix-Loop-Helix Proteins
Hao Wang, Yongyou Zhu, Shozo Fujioka, Tadao Asami, Jiayang Li, and Jianming Li

Mutations of an As1.6 Mannosyltransferase Inhibit Endoplasmic Reticulum–Associated Degradation of Defective Brassinosteroid Receptors in Arabidopsis
Zhi Hong, Hua Jin, Anne-Catherine Fitchette, Yang Xia, Andrew M. Monk, Loic Faye, and Jianming Li
Ethylene Interacts with Abscisic Acid to Regulate Endosperm Rupture during Germination: A Comparative Approach Using *Lepidium sativum* and *Arabidopsis thaliana*  
Ada Linkes, Kerstin Müller, Karl Morris, Veronika Turečková, Meike Wenk, Cassandra S.C. Cadman, Françoise Corbineau, Miroslav Stmad, James R. Lynn, William E. Finch-Savage, and Gerhard Leubner-Metzger  
3803

Auxin Response in *Arabidopsis* under Cold Stress: Underlying Molecular Mechanisms  
Kyohei Shibasaki, Matsuou Uemura, Seiji Tsurumi, and Abidur Rahman  
3823

PIN Auxin Efflux Carrier Polarity Is Regulated by PINOID Kinase-Mediated Recruitment into GNOM-Independent Trafficking in *Arabidopsis*  
Jürgen Kleine-Vehn, Fang Huang, Satoshi Naramoto, Jing Zhang, Marta Michniewicz, Remko Ofringa, and Jiffr Fridri  
3839

Class I α-Mannosidases Are Required for N-Glycan Processing and Root Development in *Arabidopsis thaliana*  
3850

*Arabidopsis* Formin3 Directs the Formation of Actin Cables and Polarized Growth in Pollen Tubes  
Jianrong Ye, Yiyen Zheng, An Yan, Naizhi Chen, Zhangkuai Wang, Shanjin Huang, and Zhenbiao Yang  
3868

DGAT1 and PDAT1 Acyltransferases Have Overlapping Functions in *Arabidopsis* Triacylglycerol Biosynthesis and Are Essential for Normal Pollen and Seed Development  
Meng Zhang, Jiluan Fan, David C. Taylor, and John B. Ohlrogge  
3885

A Gain-of-Function Mutation of *Arabidopsis* Lipid Transfer Protein 5 Disturbs Pollen Tube Tip Growth and Fertilization  
Keun Chae, Chris A. Kieslich, Dimitrios Morikis, Seung-Chul Kim, and Elizabeth M. Lord  
3902

Two Types of Meiotic Crossovers Coexist in Maize  
Matthieu Falque, Lorinda K. Anderson, Stephen M. Stack, Franck Gauthier, and Olivier J. Martin  
3915

Cell Type–Specific Chromatin Decondensation of a Metabolic Gene Cluster in Oats  
Eva Wegel, Rachil Koumproglou, Peter Shaw, and Anne Osbourn  
3926

Movement and Remodeling of the Endoplasmic Reticulum in Nondividing Cells of Tobacco Leaves  
I. Sparkes, J. Runions, C. Hawes, and L. Grifft  
3937

Phosphorylation of Photosystem II Controls Functional Macroscopic Folding of Photosynthetic Membranes in *Arabidopsis*  
Rikard Fristed, Adrian Willig, Pontus Granath, Michelle Crévecoeur, Jean-David Rochaix, and Alexander V. Vener  
3950

*Arabidopsis* Tic62 and Ferredoxin-NADP(H) Oxidoreductase Form Light-Regulated Complexes That Are Integrated into the Chloroplast Redox Poise  
3965

Heat Shock Protein Cognate 70-4 and an E3 Ubiquititin Ligase, CHIP, Mediate Plastid-Destined Precursor Degradation through the Ubiquitin-26S Proteasome System in *Arabidopsis*  
Sookjin Lee, Dong Wook Lee, Yongjik Lee, Ulrike Mayer, York-Dieter Stierhof, Sunmin Lee, Gerd Jürgens, and Inhwan Hwang  
3984

The Small Subunit of Snapdragon Geranyl Diphosphate Synthase Modifies the Chain Length Specificity of Tobacco Geranylgeranyl Diphosphate Synthase in Plants  
Irina Orlova, Dinesh A. Nagasegowa, Christine M. Kish, Michael Gutensohn, Hiroshi Maeda, Marina Varbanova, Eyal Fridman, Shinjiro Yamaguchi, Atsushi Hanada, Yuji Kamiya, Alexander Krichevsky, Vitaly Citovsky, Eran Pichersky, and Natalia Dudareva  
4002
A Root-Expressed Magnesium Transporter of the MRS2/MGT Gene Family in Arabidopsis thaliana Allows for Growth in Low-Mg²⁺ Environments

Michael Gebert, Karoline Meschenmoser, Soňa Svídová, Julian Weghuber, Rudolf Schweyen, Karolin Efler, Henning Lenz, Katrin Weyand, and Volker Knoop

Orthologs of the Class A4 Heat Shock Transcription Factor HsfA4a Confer Cadmium Tolerance in Wheat and Rice

Donghwan Shim, Jae-Ung Hwang, Joohyun Lee, Sichul Lee, Yunjung Choi, Gynheung An, Enrico Martinoia, and Youngsook Lee

Quantitative Proteomics of the Tonoplast Reveals a Role for Glycolytic Enzymes in Salt Tolerance

Bronwyn J. Barkla, Rosario Vera-Estrella, Marcela Hernández-Coronado, and Omar Pantoja

CORRECTION


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