

On the Cover: Two shell protein paralogs of the carboxysome (icosahedral structure), the carbon dioxide fixation microcompartment in β -cyanobacteria, form heterohexamers that stack into dodecamers (blue/cyan hexagons) which can alter shell permeability. The carboxysomes in *Synechococcus elongatus* 7942 are found along the long axis of the cell (stylized, merged fluorescence microscopy image with a YFP-labeled shell protein and CFP-labeled RuBisCO). Credit: Markus Sutter, Manuel Sommer, Sigal Lechno-Yossef, Cheryl A. Kerfeld.

THANK YOU TO REVIEWERS AND EDITORS

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[OPEN] Plastid-to-Nucleus Retrograde Signalling during Chloroplast Biogenesis Does Not Require ABI4. *Sylvia M. Kacprzak, Nobuyoshi Mochizuki, Belén Naranjo, Duorong Xu, Dario Leister, Tatjana Kleine, Haruko Okamoto, and Matthew J. Terry*

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[OPEN] Long-Read Annotation: Automated Eukaryotic Genome Annotation Based on Long-Read cDNA Sequencing. *David E. Cook, Jose Espejo Valle-Inclan, Alice Pajoro, Hanna Rovenich, Bart P.H.J. Thomma, and Luigi Faino*

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The early bud outgrowth stimulated by decapitation or cytokinin occurs independent of auxin flow from axillary buds. 55

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Healthy Roots and Leaves: Comparative Genome Structure of Horseradish and Watercress. *Terezie Mandáková and Martin A. Lysak*

The tetraploid genomes of horseradish and watercress are almost identical structurally, differentiated only by a 2.4-Mb chromosome translocation, and both presumably originated by autopolyploidization.

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[^{OPEN}] Polyploidy Affects Plant Growth and Alters Cell Wall Composition. *Sander Corneillie, Nico De Storme, Rebecca Van Acker, Jonatan U. Fangel, Michiel De Bruyne, Riet De Rycke, Danny Geelen, William G. T. Willats, Bartel Vanholme, and Wout Boerjan*

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[^{OPEN}] The SUMO E3 Ligase MdSIZ1 Targets MdbHLH104 to Regulate Plasma Membrane H⁺-ATPase Activity and Iron Homeostasis. *Li-Jie Zhou, Chun-Ling Zhang, Rui-Fen Zhang, Gui-Luan Wang, Yuan-Yuan Li, and Yu-Jin Hao*

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[^{OPEN}] Heterohexamers Formed by CcmK3 and CcmK4 Increase the Complexity of Beta Carboxysome Shells. *Manuel Sommer, Markus Sutter, Sayan Gupta, Henning Kirst, Aiko Turmo, Sigal Lechno-Yossef, Rodney L. Burton, Christine Saechao, Nancy B. Sloan, Xiaolin Cheng, Leanne-Jade G. Chan, Christopher J. Petzold, Miguel Fuentes-Cabrera, Corie Y. Ralston, and Cheryl A. Kerfeld*

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[^{OPEN}] The SUMO Conjugation Complex Self-Assembles into Nuclear Bodies Independent of SIZ1 and COP1. *Magdalena J. Mazur, Mark Kwaaitaal, Manuel Arroyo Mateos, Francesca Maio, Ramachandra K. Kini, Marcel Prins, and Harrold A. van den Burg*

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- [OPEN] EPFL Signals in the Boundary Region of the SAM Restrict Its Size and Promote Leaf Initiation. Pawel Z. Kosentka, Alexander Overholt, Richard Maradiaga, Omar Mitoubsi, and Elena D. Shpak
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