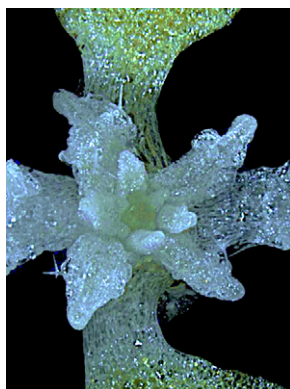


T H E P L A N T C E L L

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ON THE COVER



Using a range of approaches, Schreier et al. (pages 1745–1769) show that the plastid-localized malate dehydrogenase pdNAD-MDH is needed for the proper development of chloroplasts during embryogenesis. Surprisingly, the authors found that the enzymatic activity of pdNAD-MDH is not required in these processes, but only the pdNAD-MDH protein itself. They show that the pdNAD-MDH protein appears to have a second, “moonlighting” function, distinct from its enzymatic activity, that functions in stabilizing the FtsH12 complex at the chloroplast inner envelope membrane. The cover image shows a close-up photograph of the meristematic zone of a 4-week-old *Arabidopsis pdnad-mdh* mutant, rescued by the expression of plastidial NAD-dependent malate dehydrogenase (pdNAD-MDH) exclusively during embryo development (*pdnad-mdh* knockout mutants are otherwise embryo-lethal).

IN BRIEF

- Escape from Centromere Land**^[OPEN] 1661
Jennifer Mach
- Moonlighting NAD⁺ Malate Dehydrogenase Is Essential for Chloroplast Biogenesis**^[OPEN] 1663
Steven M. Smith
- Assembling a Nanomolecular Power Station**^[OPEN] 1665
Gregory Berton
- Tic-Tac-Toe: How TIC and TOC Coordinate Getting Proteins across the Line**^[OPEN] 1666
Estee E. Tee
- CDL1-OST1 Interaction as a Focal Point of Brassinosteroid-Abscisic Acid Hormone Signaling Crosstalk**^[OPEN] 1668
Christian Danve M. Castroverde
- Heat Trims the Fat: HIL1 Functions in Lipid Homeostasis**^[OPEN] 1670
Christian Danve M. Castroverde
- Modulation of Resistance Genes: Two Paths to *Alternaria* Resistance in Apple**^[OPEN] 1672
Celine Caseys

REVIEW

- Brachypodium*: A Monocot Grass Model Genus for Plant Biology**^[OPEN] 1673
Karen-Beth G. Scholthof, Sonia Irigoyen, Pilar Catalan, and Kranthi K. Mandadi

BREAKTHROUGH REPORT

- Chloroplast Acetyltransferase NSI Is Required for State Transitions in *Arabidopsis thaliana***^[OPEN] 1695
Minna M. Koskela, Annika Brünje, Aiste Ivanauskaitė, Magda Grabsztunowicz, Ines Lassowskat, Ulla Neumann, Trinh V. Dinh, Julia Sindlinger, Dirk Schwarzer, Markus Wirtz, Esa Tyystjärvi, Iris Finkemeier, and Paula Mulo

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RESEARCH ARTICLES

- The Interaction between DELLA and ARF/IAA Mediates Crosstalk between Gibberellin and Auxin Signaling to Control Fruit Initiation in Tomato** 1710
Jianhong Hu, Alon Israeli, Naomi Ori, and Tai-ping Sun
- Comparison of *Oryza sativa* and *Oryza brachyantha* Genomes Reveals Selection-Driven Gene Escape from the Centromeric Regions** 1729
Yi Liao, Xuemei Zhang, Bo Li, Tiejian Liu, Jinfeng Chen, Zetao Bai, Meijiao Wang, Jinfeng Shi, Jason G. Walling, Rod A. Wing, Jiming Jiang, and Mingsheng Chen
- Plastidial NAD-Dependent Malate Dehydrogenase: A Moonlighting Protein Involved in Early Chloroplast Development through Its Interaction with an FtsH12-FtsHi Protease Complex^[OPEN]** 1745
Tina B. Schreier, Antoine Cléry, Michael Schläfli, Florian Galbier, Martha Stadler, Emilie Demarsy, Daniele Albertini, Benjamin A. Maier, Felix Kessler, Stefan Hörtensteiner, Samuel C. Zeeman, and Oliver Kötting
- Nucleus-Encoded Protein BFA1 Promotes Efficient Assembly of the Chloroplast ATP Synthase Coupling Factor 1** 1770
Lin Zhang, Hua Pu, Zhikun Duan, Yonghong Li, Bei Liu, Qiqi Zhang, Wenjing Li, Jean-David Rochaix, Lin Liu, and Lianwei Peng
- Molecular Topology of the Transit Peptide during Chloroplast Protein Import** 1789
Lynn G.L. Richardson, Eliana L. Small, Hitoshi Inoue, and Danny J. Schnell
- MCD1 Associates with FtsZ Filaments via the Membrane-Tethering Protein ARC6 to Guide Chloroplast Division** 1807
Li Chen, Bing Sun, Wei Gao, Qi-yang Zhang, Huan Yuan, and Min Zhang
- Interorganelle Communication: Peroxisomal MALATE DEHYDROGENASE2 Connects Lipid Catabolism to Photosynthesis through Redox Coupling in *Chlamydomonas*^[OPEN]** 1824
Fantao Kong, Adrien Burlacot, Yuanxue Liang, Bertrand Légeret, Saleh Alseekh, Yariv Brotman, Alisdair R. Fernie, Anja Krieger-Liszky, Fred Beisson, Gilles Peltier, and Yonghua Li-Beisson
- OST1 Activation by the Brassinosteroid-Regulated Kinase CDG1-LIKE1 in Stomatal Closure** 1848
Tae-Woo Kim, Ji-Hyun Youn, Tae-Ki Park, Eun-Ji Kim, Chan-Ho Park, Zhi-Yong Wang, Seong-Ki Kim, and Tae-Wuk Kim
- Discovery of UDP-Glycosyltransferases and BAHD-Acyltransferases Involved in the Biosynthesis of the Antidiabetic Plant Metabolite Montbretin A^[OPEN]** 1864
Sandra Irmisch, Seohyun Jo, Christopher R. Roach, Sharon Jancsik, Macaire Man Saint Yuen, Lufiani L. Madilao, Mark O'Neil-Johnson, Russel Williams, Stephen G. Withers, and Joerg Bohlmann
- HEAT INDUCIBLE LIPASE1 Remodels Chloroplastic Monogalactosyldiacylglycerol by Liberating α -Linolenic Acid in *Arabidopsis* Leaves under Heat Stress^[OPEN]** 1887
Yasuhiro Higashi, Yoza Okazaki, Kouji Takano, Fumiyoshi Myouga, Kazuo Shinozaki, Eva Knoch, Atsushi Fukushima, and Kazuki Saito
- The Protein Phosphatases ATUNIS1 and ATUNIS2 Regulate Cell Wall Integrity in Tip-Growing Cells** 1906
Christina Maria Franck, Jens Westermann, Simon Bürssner, Roswitha Lentz, Dmytro Sergiiiovych Lituiev, and Aurélien Boisson-Dernier

**A Single-Nucleotide Polymorphism in the Promoter of a Hairpin RNA
Contributes to *Alternaria alternata* Leaf Spot Resistance in Apple
(*Malus × domestica*)** 1924

Qiulei Zhang, Chao Ma, Yi Zhang, Zhaoyu Gu, Wei Li, Xuwei Duan,
Shengnan Wang, Li Hao, Yuanhua Wang, Shengyuan Wang,
and Tianzhong Li

CORRECTION 1943

Li, R., Furlan, C.R., Wang, J., van de Ven, W., Gao, T., Raikhel, N.V.,
and Hicks, G.R. (2017). Different endomembrane trafficking pathways
establish apical and basal polarities. *Plant Cell* 29: 90–108.^[OPEN]

^[OPEN] Articles can be viewed without a subscription.



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