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# Cell Research



Volume 28 Number 4 April 2018
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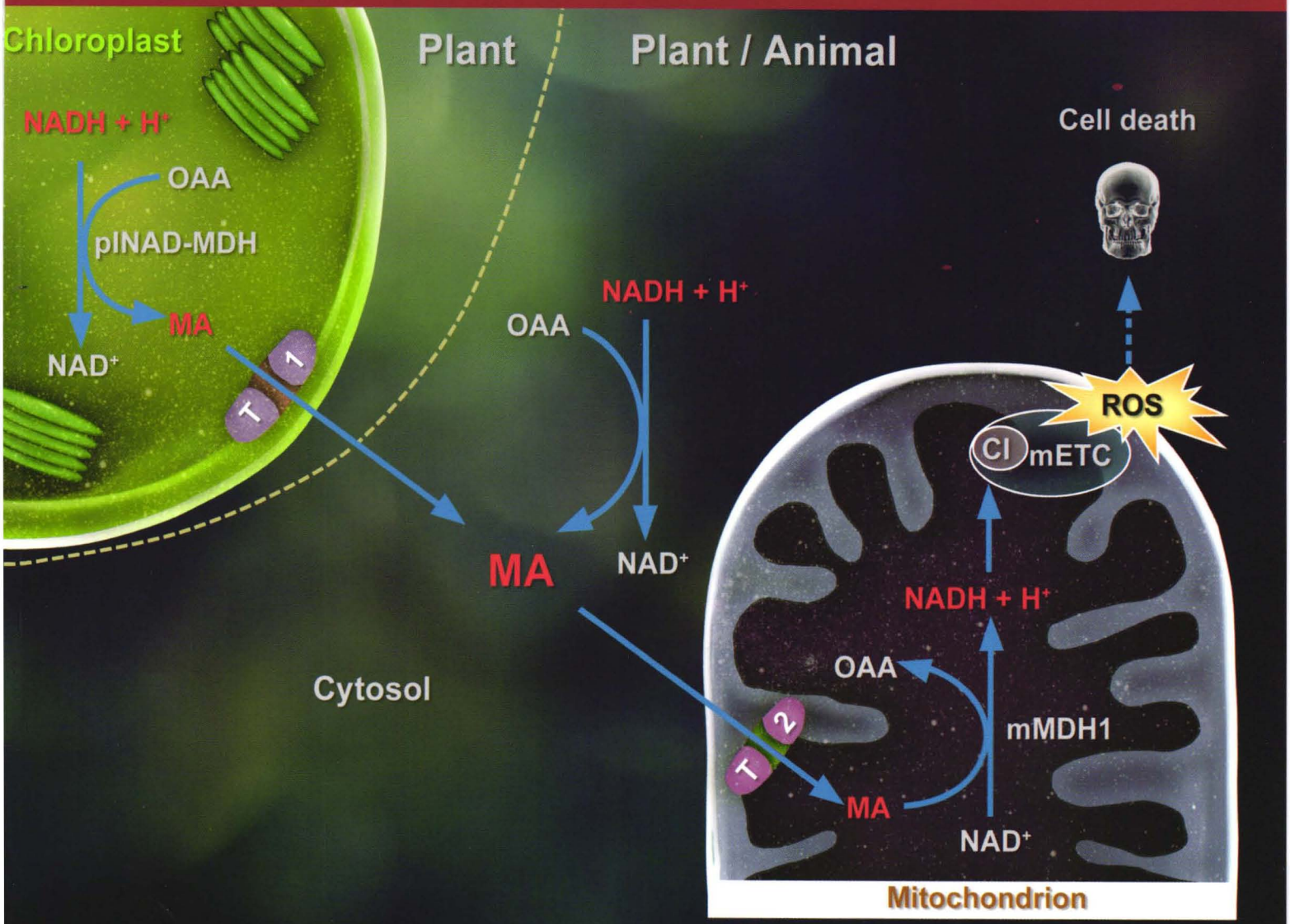


Review on human tRNA modifications and functional genomics
p62 phase separation drives autophagic cargo segregation
New developments in anti-CTLA-4 immunotherapy
A conserved PCD pathway mediated by malate

Institute of Biochemistry and Cell Biology
Shanghai Institutes for Biological Sciences
Chinese Academy of Sciences

SPRINGER NATURE

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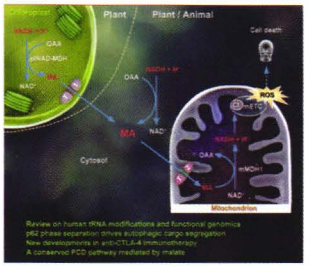
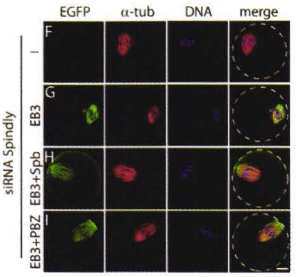



**Cover:** Malate carrying the reducing equivalents is transported from chloroplast to cytosol (in plant) and then to mitochondrion (in plant and animal), which in turn provides electrons for mitochondrial ETC to regulate ROS generation and programmed cell death. See page 448-461 by Yannan Zhao *et al.* for details. The cover is artistically modified by Chuang Zhao (PNSO Beijing) based on the image provided by the authors.




Function of the PAR-binding domain in Spindly-deficient oocytes. See page 462-475 by Bingteng Xie *et al.* for details.

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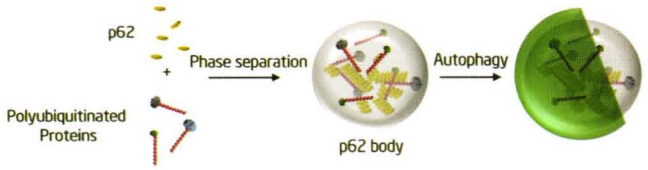


Model for the formation of p62 bodies and their role in selective autophagy. See page 405-415 by Daxiao Sun *et al.* for details.



## LETTERS TO THE EDITOR



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