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# Molecular Plant

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DR. DCL1  
IN CHARGE

LITTLE  
SEEDLING



PLANT miRNA  
NEWBORN ROOM



miR168

miR319

miR171



CEMPS, CAS  
万方数据

CellPress  
Partner Journal



# Molecular Plant

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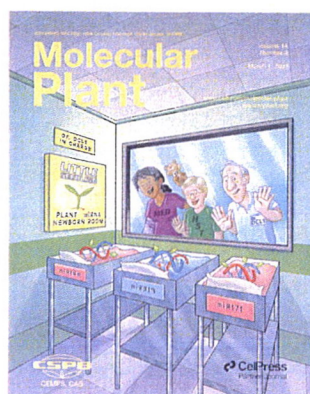
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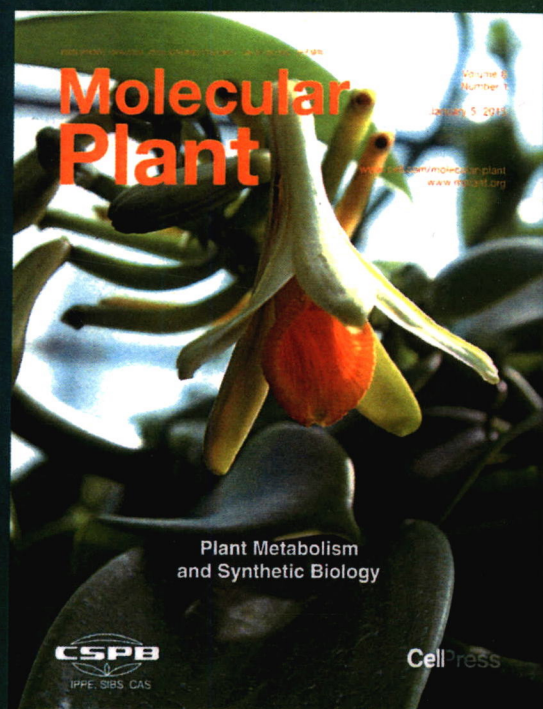


#### On The Cover

MicroRNAs play essential roles in many aspects of development and physiology. In plants, miRNAs are produced in the nucleus and exported to the cytoplasm to achieve their silencing regulatory functions. The nuclear export of miRNAs, once believed to be conducted by HASTY, is now an open field of study. In this issue, Cambiagno et al. report that HASTY, far from modulating the shuttling of miRNAs, acts early in the miRNA pathway as a scaffold protein promoting the recruitment of DCL1 to the MIRNA loci through interaction with the mediator complex. The cover image highlights the Mediator complex (in particular its subunit 37), HASTY and DCL1 that participate in the birth of plant miRNAs. The cover conceptual design by Pablo Manavella. Image artwork by Nicolas Cinquegrani.



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