

PLANT CELL

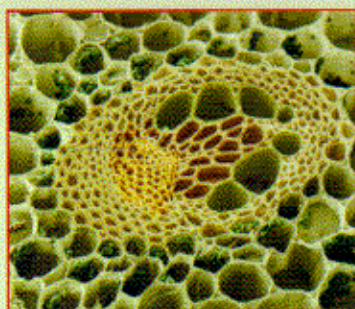
DIFFERENTIATION AND ORGANOGENESIS

EDITORS

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PLANT CELL DIFFERENTIATION AND ORGANOGENESIS presents molecular mechanisms involved from meristem to organ formation and focuses on basic scientific problems; such as cell division and differentiation, organogenesis and development. The book is outcome of the research results of the 'Plant Cell Differentiation and Organogenesis' – Innovation Group of the National Natural Science Foundation of China (NSFC). The book introduces theories, research progress and research methods with the help of illustrations and refined structures. The book is for Graduate and Undergraduate students of Botany and research scholars of related fields.

KEY FEATURES

- Describes molecular mechanism of cell differentiation and organogenesis of the model plants *Arabidopsis thaliana* and rice
- Principles and roles of cell division, cell differentiation and vesicle trafficking in plant development are elaborated
- Research progresses on the origins and evolutions of floral organs, the flowering initiation and floral development models,
- Discusses, perception of vertebrate and plant development models, regulatory network of floral organ development, and
- The polarized growth of pollen tube and trichome development, and the functional regulation of stem cells are also introduced

9781783324101

生物科学

分类码:Q

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9781783324101

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