

Annual Plant Reviews, Volume 46

Plant Nuclear Structure, Genome Architecture and Gene Regulation

Annual
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Reviews

Edited by David E. Evans, Katja Graumann and John A. Bryant

This timely volume brings together expert reviews of the recent significant advances in our knowledge and understanding of the organisation of the higher plant nucleus, and in particular in the relationship between nuclear organisation and the regulation of gene expression. Rapid progress has been made in a number of key areas over the last five years, including description and characterization of proteins of the nuclear envelope and nuclear pore complex, novel insights into nucleoskeletal structures, as well as developments related to chromatin organization, function and gene expression. These advances open the way for new research into areas such as stress tolerance, plant-pathogen interactions and ultimately crop improvement and food security. Continued research into plant nuclear structure, genome architecture and gene regulation also enriches our understanding of the origin and evolution of the nucleus and its envelope.

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About the Editors

David E. Evans and **Katja Graumann** are based at the Department of Biological and Medical Sciences, Oxford Brookes University, UK. **John A. Bryant** is based at the Biosciences Department at the University of Exeter, UK.

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