

PLANT PATTERNING

Structural and Molecular Genetic Aspects

This book provides a fascinating account of the accumulated knowledge of the mechanisms by which plants regulate their patterning. This is an exciting subject based on a novel endeavor, not least due to the rapid progress made in recent years in the diverse fields of genetics, molecular biology, microscopy, inter- and intracellular signaling, as well as our intimate knowledge of model plants (such as *Arabidopsis*).

This book is unique in that it provides, in one volume, comprehensive information on all the main organs of flowering plants. There is no other book similar to this, written by a single author, that has been published in the last 10 years.

The book contains updated information on the differentiation of the plant organs with respect to structure and molecular genetics, and the methodologies employed to investigate plant patterning are described in detail. Extensively illustrated with numerous figures, many of which are in color, the book will appeal to three main groups of readers: novices interested in plant patterning; plant biologists requiring a comprehensive understanding of differentiation in flowering plants; and graduate students in advanced courses.

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