



PLANT PATTERNING

Structural and Molecular Genetic Aspects

by **Esra Galun**

The Weizmann Institute of Science, Israel

Contents:

Basic issues relevant to plant patterning:

- Plant hormones
- The cytoskeleton of plant cells
- Phylogeny, taxonomy and gene duplication
- Regulation of gene expression
- Systems biology

The patterning of plant components:

- Patterning of the angiosperm embryo
- The shoot apical meristem
- Patterning of roots
- The vegetative shoot and transition to flowering
- The angiosperm leaf
- Patterning of flowers and their members

Readership: Plant biologists in the academia and industry; wide range of readers, with a general biology background, interested to learn how plant patterning is achieved.

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