



Plant Growth and Development: A Molecular Approach

By Donald E. Fosket

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Plant Growth and Development: A Molecular Approach By Donald E. Fosket

Plant Growth and Development: A Molecular Approach presents the field of plant development from both molecular and genetic perspectives. This field has evolved at a rapid rate over the past five years through the increasing exploitation of the remarkable plant *Arabidopsis*. The small genome, rapid life cycle, and ease of transformation of *Arabidopsis*, as well as the relatively large number of laboratories that are using this plant for their research, have lead to an exponential increase in information about plant development mechanisms.

In **Plant Growth and Development: A Molecular Approach** Professor Fosket synthesizes this flood of new information in a way that conveys to students the excitement of this still growing field. His textbook is based on notes developed over more than ten years of teaching a course on the molecular analysis of plant growth and development and assumes no special knowledge of plant biology. It is intended for advanced undergraduates in plant development, as well as those in plant molecular biology. Graduate students and researchers who are just beginning to work in the field will also find much valuable information in this book. Each chapter concludes with questions for study and review as well as suggestions for further reading. Illustrated with two-color drawings and graphs throughout, and containing up-to-date and comprehensive coverage, **Plant Growth and Development: A Molecular Approach** will excite and inform students as it increases their understanding of plant science.

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- * Presents plant development from a molecular and cellular perspective
- * Illustrates concepts with two-colour diagrams throughout
- * Offers key study questions and guides to further reading within each chapter
- * Gives an up-to-date and thorough treatment of this increasingly important subject area
- * Derived from the author's many years of teaching plant developmental biology

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