Jenkins, G.I., Schuch, W. (ed.): **Molecular Biology of Plant Development**. (Symp. Soc. Exp. Biol. No XLV.) - The Company of Biologists, Cambridge 1991. 288 pp.

This volume comprises proceedings of a meeting held at the University of Glasgow, 28 - 31 August 1990. Its 19 chapters cover very wide scope of plant developmental physiology and molecular biology, starting with isolation of developmental mutants, covering also problems of hormonology and signal transduction pathways and ending with most sophisticated genome analyses. As the following list shows, the individual chapters were written by leading specialists in the respective fields: Koornneef, M.: Isolation of higher plant developmental mutants; Cove, D.J., Kammerer, W., Knight, C.D., Leech, M.J., Martin, C.R. and Wang, T.L.: Developmental genetic studies of the moss, *Physcomitrella patens*; Hauge, B.M., Hanley, S., Giraudat, J. and Goodman, H.M.: Mapping the *Arabidopsis* genome; Grill, E., Somerville, C.: Development of a system for efficient chromosome walking in *Arabidopsis*; Dean, C., Sjodin, C., Bancroft, I., Lawson, E., Lister, C., Scofield, S. and Jones, J.: Development of an efficient transposon tagging system in *Arabidopsis*; Marks, M.D., Esch, J., Herman, P., Sivakumaran, S. and Oppenheimer, D.: A model for cell-type determination and differentiation in plants; Bowman, J.L. and Meyerowitz, E.M.: Genetic control of pattern formation during flower development in *Arabidopsis;* Schuch, W.: Using antisense RNA to study gene function; Lazarus, C.M., Napier, R.M., Yu, L.-X., Lynas, C. and Venis, M.A.: Auxin-binding protein-antibodies and genes; Bleecker, A.B.: Genetic analysis of ethylene responses in *Arabidopsis thaliana*; Chen, Q., Brglez, I. and Boss, W.F.: Inositol phospholipids as plant second messengers; Fricker, M.D., Gilroy, S., Read, N.D. and Trewavas, A.J.: Visualisation and measurement of the calcium message in guard cells; Weisshaar, B., Block, A., Armstrong, G.A., Herrman, A., Schulze-Lefert, P. and Hahlbrock, K.: Regulatory elements required for light-mediated expression of the *Petroselinum crispum* chalcone synthase gene; Schindler, U., Ecker, J.R. and Cashmore, A.R.: An *Arabidopsis thaliana* G-box-binding protein similar to wheat leucine zipper identified as HBP-1; Barnes,S.R.: RFLP analysis of complex traits in crop plants; McCormick, S., Twell, D., Vancanneyt, G. and Yamaguchi, J.: Molecular analysis of gene regulation and function during male gametophyte development; Mau, S.-L., Anderson, M.A., Heisler, M., Haring, V., McClure, B.A. and Clarke, A.E.: Molecular and evolutionary aspects of self-incompatibility in flowering plants; Mariani, C., Goldberg, R.B. and Leemans, J.: Engineered male sterility in plants.

It is evident from the foregoing list that the book covers really almost all 'hot' topics of plant developmental physiology. As such, it is an excellent guide for advanced students to the different areas of plant developmental studies and a must for the research workers in the field.

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