

Schekman, R., Goldstein, L., McKnight, S.L., Rossant, J. (ed.): **Annual Review of Cell and Developmental Biology. Vol. 17.** - Annual Reviews Inc., Palo Alto, 2001., 858 pp. Price: Individual USD 70/75, Institutional Print Only 145/150, Institutional Online Access Only 145/145, Institutional Print and Online Access 160/165 (prices listed as USA/international). ISBN 0-8243-3117-6.

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The readers of *Biologia Plantarum* will be mainly interested in the following reviews: Polarized cell growth in higher plants (dealing with cytoskeleton, calcium, protons, secretion, pollen tubes and root hairs by P.K. Hepler *et al.*), Molecular basis of circadian rhythms (*Arabidopsis*, feedback loop, clock and cryptochrome by S.L. Harmer *et al.*), Recent advances in chemical approaches to the study of biological systems (chemical genetics, enzyme inhibitors, protein-protein interactions and unnatural biopolymers by M.A. Shogren-Knaak *et al.*), Control of early seed development (embryo, endosperm, imprinting, apomixis and epigenetic by A.M. Chaudhury *et al.*) and Molecular basis of sister-

chromatid cohesion (chromosome segregation, meiosis, mitosis, kinetochore and chiasmata by J.Y. Lee *et al.*).

Other reviews covered in this volume: Engineering cellular glycosylation, Thrombospondins, *Salmonella* interactions with host cells, Vertebrate limb development, Synaptic affinity and kinetics, Boundaries in development, Early eye development in vertebrates, mRNA localization and transport in yeast, Vertebrate somitogenesis, Animal cell cytotogenesis, Multipotent stem cell fate, Embryo stem cell, Matrix metalloproteinases, Clathrin-coated vesicles, RNA localization in higher eukaryotes, Cellular function of phosphoinositide 3-kinases, Peroxisome biogenesis, and Left-right asymmetry determination in vertebrates.

All articles were written by the foremost experts in the field. The volume includes a list of some related articles published in other Annual Reviews (*e.g.*, Review of Biochemistry, Review of Ecology and Systematics, Review of Plant Physiology and Plant Molecular Biology).

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