

Schekman, R., Goldstein, L., Rossant, J.(ed.): **Annual Review of Cell and Developmental Biology. Volume 19.** - Annual Reviews Inc., Palo Alto 2003. 787 pp. Price individual USA 75.00 \$, elsewhere 80.00 \$, institutional USA 170.00 \$, elsewhere 175.00 \$. ISBN 0-8243-3119-2.

Readers of *Biologia Plantarum* will find especially interesting the review Flower development: initiation, differentiation, and diversification (M. Zik and V.E. Irish). The review focuses on the formation of the determinate floral meristem, and the specification of floral organ identity genes. Other topics covered include: Adult stem plasticity, Cyclic nucleotide-gated ion channels, Anthrax toxin, Pancreas development, MAP kinase signaling, Regulation of membrane protein transport by ubiquitin, Integrin signaling and cell fate, Cadherins as modulators of cellular phenotype, Regulation of imprinted clusters, COP9 signalosome, Actin and endocytosis, Transport protein trafficking, Modulation of Notch signaling during somitogenesis, Tetraspanins, Intraflagellar transport, Intermediate filament motility, Melanosome transport, SNARE protein structure and function, Budding yeast kinetochores, Ena/VASP function, Bacterial proteolysis, Nodal signaling in vertebrate development, Trachea branching morphogenesis, Quality control in secretory

pathway, Adhesion-dependent cell mechanosensitivity, and Plasma membrane disruption.

The reviews include extensive references to the literature and are written in such a way, as to be valuable both to advanced students and scientist. The volume includes a list of some related articles published in other Annual Reviews (e.g., Review of Biochemistry, Review of Biophysics and Biomolecular Structure, Ecology and Systematics, Review of Plant Biology). The Annual Review of Cell and Developmental Biology is published by a non-profit scientific publisher. Thus the price of this volume (especially the Individual) is comparatively low compared to other similar publications.

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T. GICHNER (*Praha*)