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The readers of *Biologia Plantarum* will be mainly interested in the following reviews: Small RNAs and their roles in plant development (X. Chen), Mechanisms of lipid transport involved in organelle biogenesis in plant cells (C. Benning), Vernalization: winter and the timing of flowering in plants (D.-H. Kim *et al.*), Innovations in teaching undergraduate biology and why we need them (W.B. Wood), and Quantitative time-lapse fluorescence microscopy in single cell (D. Muzzey *et al.*). Other reviews covered in this Volume: Chromosome odds and ends; Retina proliferation; Membrane traffic within the Golgi Apparatus; Synaptic vesicle endocytosis; Synaptic specificity; Mechanisms of growth and homeostasis in the *Drosophila* wing; Vertebrate endoderm development; Signaling in adult neurogenesis; Mechanisms shaping the membranes of cellular organelles; Function of PIWI

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The reviews include extensive references to the literature and are written by the foremost experts in the field in such a way, as to be valuable both to advanced students and scientist. All articles are fully supplemented, searchable, and downloadable (see <http://cellbio.annualreviews.org>).

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