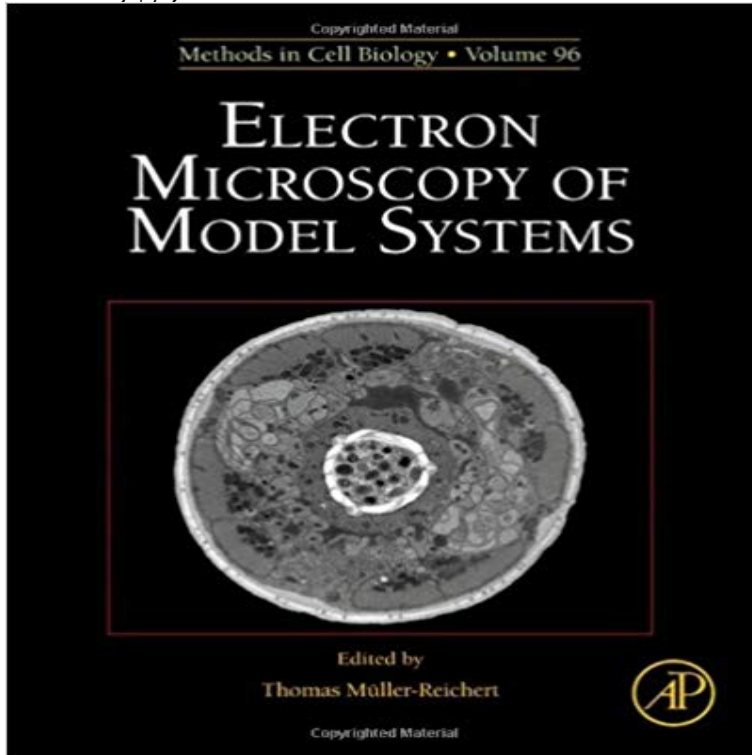


Electron Microscopy of Model Systems, Volume 96 (Methods in Cell Biology)



The volume covers the preparation and analysis of model systems for biological electron microscopy. The volume has chapters about prokaryotic as well as eukaryotic systems that are used as so-called model organisms in modern cell biology. These systems include the most popular systems, such as budding and fission yeast, the roundworm *C. elegans*, the fly *Drosophila*, zebrafish, mouse, and *Arabidopsis*, but also organisms that are less frequently used in cell biology, such as *Chlamydomonas*, *Dictyostelium*, *Trypanosoma*, flatworms, *Axolotl* and others. In addition, tissues and tissue culture systems are also covered. These systems are used for very diverse areas of cell biology, such as cell division, abscission, intracellular transport, cytoskeletal organization, tissue regeneration and others. Moreover, this issue presents the currently most important methods for the preparation of biological specimens. This volume, however, is not a classic EM methods book. The methods are not the main focus of this issue. The main goal here is to cover the methods in the context of the specific requirements of specimen preparation for each model organism or systems. This will be the first compendium covering the various aspects of sample preparation of very diverse biological systems.

Covers the preparation and analysis of model systems for biological electron microscopy. Includes the most popular systems but also organisms that are less frequently used in cell biology. This issue presents the currently most important methods for the preparation of biological specimens. This will be the first compendium covering the various aspects of sample preparation of very diverse biological systems.

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