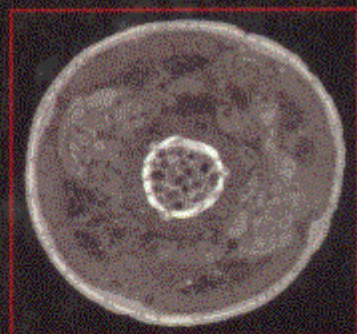


ELECTRON MICROSCOPY OF MODEL SYSTEMS

Edited by

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This volume of *Methods in Cell Biology* covers the preparation and analysis of model systems for biological electron microscopy. Chapters deal with 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. This comprehensive volume also explores the various aspects of sample preparation of very diverse biological systems and will serve as a valuable resource to researchers in cell biology.

KEY FEATURES

- Covers the various aspects of sample preparation of very diverse biological systems
- Presents the most important methods for the preparation of biological specimens
- Methods are covered in the context of the specific requirements of specimen preparation for each model organism or systems

Cover image: Thin-section electron micrograph of a cross-section through the head region of the roundworm *Caenorhabditis elegans*. The specimen was high-pressure frozen and freeze substituted (see chapter by Müller-Reichert et al. for details).

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