

# Functional Ultrastructure



This atlas of functional ultrastructure provides not only a detailed insight into the complex structure and organization of cells and tissues but also into specific functions fulfilled by the various cellular organelles and the dynamics of the different processes inside cells. The large collection of electron micrographs, together with those from immunoelectron microscopy, is complemented by thorough explanatory texts and schemes. Emphasis was placed on an integrated view of structure and function to show that subcellular organelles provide the structural foundation for fundamental processes of living organisms. Specialized cell types form the various tissues, and principles of tissue organization are presented. Under various conditions of disease, characteristic structural alterations may occur which are illustrated with examples thus providing a valuable source of information for scientists and students of Medicine and Biological Sciences, particularly of Histology, Cell and Molecular Biology.

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