



Cell Receptors

By Seifert, Gerhard / Beisiegel, U.

Condition: New. Publisher/Verlag: Springer, Berlin | Morphological Characterization and Pathological Aspects | The methods of molecular biology, biochemistry, immunocytochemistry, and in-situ hybridization introduce new opportunities for the classification and functional characterization of cell receptors under normal conditions and for a better understanding of pathogenetic mechanisms in human diseases. The cellular localization and translocation of receptor proteins can be identified using morphological methods, and it is apparent that receptors and receptor defects play an important role in pathology, notably in genetic diseases, endocrine disorders, atherosclerosis, infections, and cancer. In this volume international experts give a current review of the morphology and pathological aspects of cell receptors. The complex communication of multicellular organisms is coordinated by two regulatory systems: neural and humoral. Both systems function via signaling substances (ligands) and signal-recognizing and -transmitting molecules, called receptors. The historical development of the receptor concept is based upon Paul Ehrlich's theory of "receptors in the immune system," Langley's "receptive substances in postsynaptic membranes," and Earl Sutherland's discovery of "second messengers" (cAMP and Ca²⁺). | General Biochemical and Morphological Aspects.- Historical Development of the Receptor Concept.- Classification of Cell Receptors.- Biochemical Characterization of Cellular Hormone Receptors.- Morphological Characterization of...



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Reviews

This publication is amazing. It is definitely basic but shocks in the fifty percent of your publication. You won't feel monotony at anytime of your own time (that's what catalogues are for concerning if you question me).

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This kind of book is every little thing and taught me to look ahead of time and a lot more. I am quite late in starting reading this one, but better than never. I found out this book from my dad and he encouraged this pdf to find out.

-- Justus Hettinger