



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...

DOWNLOAD



READ ONLINE

[3.09 MB]

Reviews

Complete guide for publication fanatics. It is full of knowledge and wisdom You will not really feel monotony at any time of your respective time (that's what catalogues are for about should you question me).

-- **Arely Dare**

Without doubt, this is actually the best operate by any article writer. Indeed, it can be perform, nonetheless an interesting and amazing literature. Its been written in an exceedingly straightforward way in fact it is only soon after i finished reading through this book through which in fact changed me, modify the way in my opinion.

-- **Miss Elissa Kutch V**