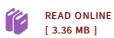




Molecular Mechanisms of Neuronal Responsiveness (Paperback)

By Yigal H. Ehrlich, Robert H. Lenox, Elizabeth Kornecki

Springer-Verlag New York Inc., United States, 2012. Paperback. Condition: New. Language: English . Brand New Book ****** Print on Demand ******. The interaction of neurotransmitters, neuromodulators and neuroactive drugs with receptors localized at the cell surface initiates a chain of molecular events leading to integrated neuronal responses to the triggering stimuli. Major advancements in the characterization and isolation of recep- tor molecules have answered many quest ions regarding the nature of the ele- ments that determine the specificity in these interactions. At the same time, recent studies have provided evidence that delicate regulation by intracellular enzymatic systems determines the efficiency of the stimulus- response coupling process, mediates the interaction between receptors, operates in feedback control mechanisms and transduces signals from the receptors to various effector sites in a highly coordinated fashion. These studies are at the focus of the present volume, which is an outcome of a symposium held at the University of Vermont College of Medicine on March 21-23, 1986, in conjunction with the seventeenth annual meeting of the Amer- ican Society for Neurochemistry. The symposium has demonstrated clearly that the concerted efforts of investigators in neurophysiology, biochemis- try, pharmacology, cell-biology, molecular genetics, neurology, and psy- chiatry are required to...



Reviews

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