

Epigenetics, brain and behavior

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Abstrak

The focus of this volume is on critical epigenetic regulation and chromatin remodeling events that occur in the nervous system and on the presumed mechanisms that operate within neurons to translate them into long-lasting neuronal responses. Recent years have seen spectacular advances in the field of epigenetics. These have attracted the interest of researchers in many fields and evidence connecting epigenetic regulation to brain functions has been accumulating. Neurons daily convert a variety of external stimuli into rapid or long-lasting changes in gene expression. A variety of studies have centered on the molecular mechanisms implicated in epigenetic control and how these may operate in concert. It will be critical to unravel how specificity is achieved. The focus of this volume is on critical epigenetic regulation and chromatin remodeling events that occur in the nervous system and on the presumed mechanisms that operate within neurons to translate them into long-lasting neuronal responses.