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Transcription Factors CREB and NF-κB: Involvement in Synaptic Plasticity and Memory Formation

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About the ebook

The main theme of this book is to critically survey the role of two recognized protein molecules in processes of human memory.. The transcription factor cAMP response element-binding (CREB) has a notable function related to the the formation of long-term memories. CREB and NF- B have also been shown to interact with each other where both contribute in a cooperative fashion to the initiation of gene expression

Contents

- ▶ Regulation of Synaptic Plasticity and Long-Term Memory by CREB: Implications for Targeting Memory Disorders Including Alzheimer's Disease and Rubinstein-Taybi Syndrome
- ▶ The Role of CREB in Neuronal Plasticity, Learning and Memory, and in Neuropsychiatric Disorders
- ▶ Transcriptional Profiling of Hippocampal Memory-Associated Synaptic Plasticity: Old Friends and New Faces
- ▶ Roles for NF- B in Regulating Gene Expression in Synaptic Plasticity and Memory
- ▶ NF- B Proteins in Adult Neurogenesis: Relevance for Learning and Memory in Physiology and Pathology

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