



Omics-Based Molecular Mechanisms of Cognition under Stress

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Message from the Guest Editors

Chronic stress is now known to be associated with multiple disorders and diseases. Until recently, how chronic stress affects the brain molecularly and functionally was investigated by analyzing the function of one or a small number of molecules in the brain of research animals or in the human blood. The development of scientific technologies has allowed scientists to explore and start to understand how chronic stress globally affects brain functions. In addition, these recently developed techniques and methods are greatly helping scientists decipher the omics-based molecular mechanisms of chronic stress-induced changes in cognitive functions including memory consolidation, memory retrieval, and learning processes. For this Special Issue, we encourage authors to submit original research and review articles to update our current understanding of omics-based (genomics, transcriptomics, epigenetics, proteomics, lipidomics, metabolomics) molecular mechanisms of cognitive processes under stress.





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Message from the Editor-in-Chief

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