

Special Issue

Omics-Based Molecular Mechanisms of Cognition under Stress

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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The International Journal of Molecular Sciences (*IJMS*, ISSN 1422-0067) is an open access journal, which was established in 2000. The journal aims to provide a forum for scholarly research on a range of topics, including biochemistry, molecular and cell biology, molecular biophysics, molecular medicine, and all aspects of molecular research in chemistry. *IJMS* publishes both original research and review articles, and regularly publishes special issues to highlight advances at the cutting edge of research. We invite you to read recent articles published in *IJMS* and consider publishing your next paper with us.

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