

Special Issue

Stress-Related Disorders and Depression: From Molecular Basis to Therapy

Message from the Guest Editors

Stress is defined as a challenge to the homeostasis of an organism by events coming from the environment. Two major systems are essential in the response to stressors: the sympathetic adrenomedullary system and the hypothalamic–pituitary–adrenal axis (HPA). The purpose of this Special Issue is to collect original research articles and review papers that concern the study of how the brain transduces environmental stress exposure into depression and stress-related diseases. We aim to bring together the most recent studies that use different experimental approaches in vivo or in vitro relating to:

- molecular and cellular responses to stress;
- stress-induced changes in the neurochemical cross-talk between signaling systems in the brain;
- methods to study the effects of various stressors in psychiatric disease models;
- stress vulnerability and resilience;
- stress biomarkers
- therapies for stress-related disorders.

Guest Editors

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Message from the Editor-in-Chief

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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