

Special Issue

Epigenetic Mechanisms and Human Pathology 3.0

Message from the Guest Editors

Growing evidence indicates that addressing the direct effects of genetic and environmental factors might be insufficient to understand the mechanisms underlying the complexity of human pathologies. The recognition of epigenetic mechanisms has largely improved our understanding of human diseases. Epigenetic regulation of gene expression includes three main mechanisms, i.e., DNA methylation, histone modifications, and non-protein-coding RNAs (npcRNAs), which play a fundamental role in all molecular processes in living organisms.

This Special Issue entitled: “Epigenetic Mechanisms and Human Pathology” shall serve as a forum to present state-of-the-art and critical reviews, as well as original papers discussing the application of epigenetic approaches to the etiology, diagnostics, and therapy of a variety of diseases.

Contributions from leading international investigators will guarantee a broad and comprehensive analysis of potential epigenetic mechanisms as well as related clinical problems.

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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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