Special Issue

New Insights of DNA Methylation

Message from the Guest Editors

DNA methylation is a heritable modification to DNA that does not change its sequence, but strongly affects gene expression. As a result, DNA methylation is implicated in key processes such as embryonic development, genomic imprinting, X chromosome inactivation, and aging. Additionally, it can provide useful biomarkers for cancer, neurodegenerative diseases, and environmental exposure. Based on research on DNA methylation in these areas, other fields, such as forensic sciences, have applied DNA methylation to develop investigative tools such as body fluid identification and age estimation. This Special Issue will welcome original studies and reviews that focus on DNA methylation. ranging from basic research to its application to biomedical, forensic sciences, and other fields. The aim of this Special Issue is to assemble a collection of studies with the latest advances on DNA methylation. and promote interdisciplinary research among the scientific fields.

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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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