

## Special Issue

# Recent Advances in Bacterial Epigenomics

### Message from the Guest Editor

Bacterial epigenomics is an emerging field that intersects genomics and epigenetics, focusing on mechanisms such as DNA methylation, histone-like protein modifications, and regulatory RNA molecules that modulate bacterial phenotypes in response to environmental cues.

The study of bacterial epigenomics has profound implications for understanding bacterial evolution, physiology, pathogenesis, and antibiotic resistance. Advanced techniques such as single-molecule real-time (SMRT) sequencing and Oxford Nanopore sequencing (ONT) are enhancing our ability to map epigenetic modifications and their functional consequences comprehensively.

The Special Issue “Recent Advances in Bacterial Epigenomics” will focus on the molecular players that take part in epigenetic mechanisms. We invite contributors to submit works that investigate these mechanisms by various and combined approaches, such as biochemistry, molecular biology, genetics, and omics techniques, as well as review articles that offer a comprehensive view of current knowledge and its limits.

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### Guest Editor

Dr. Camilla Fagorzi

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### Deadline for manuscript submissions

closed (29 November 2024)



## International Journal of Molecular Sciences

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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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