

Special Issue

The Role of Non-coding RNAs in Human Health and Diseases

Message from the Guest Editor

Non-coding RNAs finely tune epigenetic mechanisms, allowing for the maintenance of organism homeostasis from fecundation to old age. Homeostasis is the capacity of a living structure to not only withstand and adapt its internal conditions to progressive or sudden changes in the environment but also to anticipate the occurrence of reoccurring events (i.e., reactive homeostasis including circadian rhythms). Maintenance of the cellular phenotype is dependent on molecular epigenetics, and the integration of molecular networks at the organism level is partly driven by non-coding RNAs. This Special Issue of *IJMS* will address these mechanisms maintaining the memory of cellular phenotypes, with a particular focus on non-coding RNAs. We welcome the submission of full reviews, original research papers, and short communications, as well as perspectives concerning the above-mentioned mechanisms.

Guest Editor

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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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