



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

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Message from the Guest Editor

Dear Colleagues,

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.





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Message from the Editor-in-Chief

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