

Special Issue

Non-coding RNAs in Cancer, Aging and Regeneration

Message from the Guest Editors

Non-coding RNAs (ncRNAs) are a diverse and prevalent group of RNAs including highly abundant and functionally important RNAs such as tRNA and rRNA, as well as different kinds of small RNAs, long ncRNAs and circRNA. Although their function as regulators of gene expression could be mediated through their role at the epigenetic, transcriptional, and post-transcriptional levels, many of the newly identified ncRNAs have not yet been validated for their function. From those that have been characterized, it is clear that ncRNAs can function through a variety of mechanisms, participating in the formation and regulation of protein complexes to perform their functions, dynamically regulating various signaling pathways in several biological processes. This Special Issue of *International Journal of Molecular Sciences* focuses on ncRNAs and, preferentially but not exclusively in the family of the lncRNAs, welcoming both original research articles and review papers that deal with the molecular mechanisms underlying the role of ncRNAs in cancer, aging and regeneration.

Guest Editors

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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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