



Non-coding RNAs in Cancer, Aging and Regeneration

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Message from the Guest Editors

Dear Colleagues,

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.

Prof. Dr. Yao Li
Dr. Bruno Bernardes de Jesus
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