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Post-transcriptional Regulation through Long Non-coding RNAs (lncRNAs)

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Deadline for manuscript submissions:

closed (31 December 2020)

Message from the Guest Editors

Noncoding RNAs play a major role in gene regulation. In particular, it is now undisputed that microRNAs are involved in several key developmental and pathological processes. But it is also clear that other types of regulatory noncoding RNAs exist; in particular, long noncoding RNAs (lncRNAs). These lncRNAs exert their biological functions through a bewildering array of mechanisms, including a direct effect on epigenetic regulation through the modification of chromatin, the direct modulation of protein activity and localization.

It is also clear that lncRNAs work post-transcriptionally. They are involved in the regulation of expression and activity of other ncRNAs including microRNAs. They contribute to the regulation of alternative splicing, an increasingly key process in the regulation of gene expression. lncRNAs are also involved in the regulation of RNA editing, export, translation and stability. The focus of this Special Issue is on post-transcriptional regulation of gene expression by lncRNAs. A full understanding of lncRNA biology needs to include a better understanding of how they contribute to gene regulation post-transcriptionally in both normal development and disease.



mdpi.com/si/37961

Special Issue



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Message from the Editor-in-Chief

This field finally has a dedicated journal where its broad community can communicate and exchange its latest findings in one centralized place. This field was built stone by stone from the many scientific contributions from extremely diverse horizons, studying gene silencing in plants, position effect variegation in drosophila or quelling in fungi. This field has achieved maturity, but a lot remains to be discovered! Our aim is to publish manuscripts from all horizons that will have a high impact on the development of the field. Let's have fun and wish *Non-Coding RNA* a long and rewarding life!

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