

Special Issue

The Emerging Role of RNA in Diseases and Cancers

Message from the Guest Editor

Cellular functions are controlled by the correct expression of both protein-coding RNAs and non-coding RNAs. The proper expression, maturation and function of these different classes of RNA depend on specific interactions with RNA-binding proteins, the chemical modification of nucleotides and, also, sequence editing. The dysregulation of any of these processes can cause aberrant gene expression and, eventually, contribute to diseases and carcinogenesis. This Special Issue aims to discuss the role of RNA in diseases and cancer. In particular, topics such as the function of regulatory non-coding RNAs (microRNAs, lncRNAs and circRNAs), the impact of the chemical modification of RNA (rRNAs, tRNAs and mRNAs), RNA editing, and the role of RNA-binding-proteins will be addressed in this issue. This issue aims to provide an in-depth picture at the molecular level of the mechanisms of action regulating RNA function in diseases and cancers.

Guest Editor

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The *International Journal of Molecular Sciences (IJMS)* 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, and molecular biophysics. *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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