

## Special Issue

# The Emerging Role of RNA in Diseases and Cancers 2.0

### 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 Special Issue. This Special Issue aims to provide an in-depth picture at the molecular level of the mechanisms of action that regulate RNA function in diseases and cancers.

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### Guest Editor

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### Deadline for manuscript submissions

closed (20 April 2025)



## International Journal of Molecular Sciences

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### Message from the Editor-in-Chief

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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