

Special Issue

RNA-Binding Proteins and Their Emerging Roles in Cancer 2.0

Message from the Guest Editors

The human genome encodes more than 1500 RNA-binding proteins (RBPs), and the number is expected to increase with the addition of RBPs that contain non-canonical RNA binding motifs. These proteins are at the center of transcriptional and post-transcriptional regulation of gene expression and play a central role in all four highly regulated interconnected pathways, namely, transcriptional responses, RNA–DNA damage responses, and DNA repair and apoptosis. Mutations in several RBPs have been linked to cancers, and therefore, RBPs and their associated pathways are potential drug targets. Increasing evidence from research in the past decade highlights the intricate interplay between RNA metabolism, RNA-binding proteins, and genome stability in human health and disease. The proposed issue will broadly cover the following topics:

- RNA-binding proteins in RNA metabolism;
- RNA-binding proteins in RNA–DNA damage response;
- RNA-binding proteins in cancer-associated instability;
- New technologies to study RNA-binding proteins and RNA/DNA secondary structures;
- Unresolved RNA/DNA secondary structures and genomic instability.

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Deadline for manuscript submissions

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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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