

Special Issue

Recent Advances in RNA Drug Development

Message from the Guest Editor

We welcome original research articles and review manuscripts addressing the following topics. (a) RNA therapeutic modalities: Submissions exploring different types of RNA therapeutics, including antisense oligonucleotides (ASOs), small interfering RNAs (siRNAs), microRNAs (miRNAs), aptamers, and CRISPR-Cas9 guide RNAs. Articles discussing their mechanisms of action and therapeutic potential are also of interest. (b) Delivery systems for RNA therapeutics: Highlighting various delivery methods such as lipid nanoparticles, polymeric nanoparticles, conjugation strategies, and viral vectors. Evaluations of their efficacy and limitations are welcome. (c) Clinical applications and challenges: Papers focusing on approved RNA therapies and ongoing trials in areas like neurodegenerative diseases, genetic disorders, cancer, infectious diseases, and cardiovascular conditions. Discussions on challenges in RNA drug development are encouraged. (d) Emerging technologies and regulatory considerations: Submissions exploring novel approaches to overcome current challenges, such as chemical modifications, new delivery platforms, combination therapies, and personalized RNA medicines.

Guest Editor

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About the Journal

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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