

Special Issue

Innovative Delivery Technologies for Nucleic Acid Therapeutics: From In Vitro to In Vivo Applications

Message from the Guest Editor

This Special Issue aims to explore cutting-edge delivery technologies for nucleic acid therapeutics, including mRNA, siRNA, ASOs, and plasmid DNA (such as CRISPR). We invite submissions that address the challenges and advancements in formulation and delivery strategies, from in vitro studies to in vivo applications. Topics of interest include, but are not limited to, the following:

- Novel nanoparticle formulations for nucleic acid delivery;
- Targeted delivery approaches for specific organs, tissues, or cell types;
- Strategies for overcoming biological barriers and enhancing intracellular delivery;
- Comparative studies of different delivery systems in vitro and in vivo;
- Innovations in mRNA vaccine delivery and formulation;
- Advances in delivery technologies for gene editing tools (e.g., CRISPR/Cas9);
- Translational aspects of nucleic acid therapeutics.

We welcome original research articles, comprehensive reviews, and perspective pieces that contribute to advancing the field of nucleic acid delivery.

Guest Editor

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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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