

Special Issue

Gene Delivery and Its Application in Pharmaceutical Science

Message from the Guest Editors

Gene delivery is revolutionizing pharmaceutical science, offering innovative strategies for treating diseases and repairing tissues. Advances in delivery systems, including novel vectors and nanocarriers, enable precise, safe genetic material transfers, unlocking therapeutic potential across regenerative medicine, oncology, and neurological disorders. MicroRNAs (miRNAs), as pivotal regulators of gene expression, hold immense promise for targeted therapies. This Special Issue invites contributions exploring: (1) novel gene delivery technologies enhancing specificity and safety; (2) miRNA-based therapies, particularly in neurological applications; (3) interdisciplinary approaches integrating synthetic biology and bioinformatics; (4) translational research bridging lab discoveries and clinical applications. By showcasing cutting-edge advancements, this issue aims to inspire innovative therapies addressing pressing medical challenges. We welcome original research, updated reviews, and case studies that redefine the future of gene delivery in pharmaceutical science.

Guest Editors

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Deadline for manuscript submissions

closed (25 June 2025)



Pharmaceuticals

an Open Access Journal
by MDPI

Impact Factor 4.8
CiteScore 7.7
Indexed in PubMed



mdpi.com/si/226094

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Because of your expertise in the field of drug sciences, I kindly invite you to consider publishing your current work, in the form of a research article or a review, in the open access electronic journal *Pharmaceuticals*. *Pharmaceuticals* is characterized by an active editorial board and a dynamic editorial staff. Manuscripts are peer-reviewed and a final decision is provided to authors within 4–6 weeks after submission. Papers are published on the web immediately after acceptance. For details on the submission process or any other matter, please do not hesitate to contact us. We hope to handle your contribution to *Pharmaceuticals* soon.

Editor-in-Chief

Prof. Dr. Amélia Pilar Rauter

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