

Special Issue

The Delivery of RNA-Based Therapeutics: New Strategies in Cancer and Gene Therapy

Message from the Guest Editors

Ribonucleic acids (RNAs) are important molecular structures that are involved in many functions in cell machinery, including protein synthesis, RNA editing, gene regulation, and RNA interference. Since the fifties of the last century, discoveries are in progress with great promises in RNA therapeutics. Thus far, several RNA-based therapeutics, including antisense oligonucleotides, RNA interference, RNA aptamers, and messenger RNAs, have been approved by the FDA. Nevertheless, their delivery is limited to their encapsulation in lipid-based nanoparticles, in addition of targeting moieties or direct delivery without any modifications. Therefore, the delivery of RNA therapeutics is one of the most controversial and researched topics in RNA therapy. This Special Issue aims to discuss innovative delivery systems and techniques in RNA-based therapeutics to fight cancer and other diseases. In this Special Issue, original research articles and reviews are welcome. We look forward to receiving your contributions. Dr. Lamiaa M.A.Ali, ,

Guest Editors

Dr. Lamiaa M.A. Ali
Dr. Nadir Bettache
Dr. Magali Gary-Bobo

Deadline for manuscript submissions

closed (20 May 2024)



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Pharmaceutics
Editorial Office
MDPI, Grosspeteranlage 5
4052 Basel, Switzerland
Tel: +41 61 683 77 34
pharmaceutics@mdpi.com

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Editor-in-Chief

Prof. Dr. Patrick J. Sinko

Ernest Mario School of Pharmacy, Rutgers, The State University of New Jersey, William Levine Hall, Room 225C, 160 Frelinghuysen Road, Piscataway, NJ 08854-8020, USA

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