



Nanotechnology and RNA-Based Technologies Applied to Prophylaxis and Advanced Therapies

Guest Editors:

Prof. Dr. Bruna Aparecida Souza Machado

SENAI Institute of Innovation (ISI) in Health Advanced Systems (CIMATEC ISI SAS), SENAI CIMATEC University Center, Salvador 41650-010, Bahia State, Brazil

Dr. Vinicius Pinto Costa Rocha

1. Institute of Health Technology, National Industrial Learning Service—Integrated Manufacturing and Technology Campus, SENAI CIMATEC, Salvador 41650-010, Bahia, Brazil
2. Laboratory of Tissue Engineering and Immunopharmacology, Oswaldo Cruz Foundation, Gonçalo Moniz Institute—Fiocruz, Salvador 40296-710, Bahia, Brazil

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Message from the Guest Editors

Dear Colleagues,

Various RNA technologies have revolutionized biotechnology by enabling the precise manipulation and understanding of genetic information. Techniques such as RNA interference (RNAi) and CRISPR-Cas9 utilize RNA molecules to target and modify specific genes, offering potential treatments for genetic disorders and cancers. mRNA vaccines, like those developed for COVID-19, showcase the power of RNA in rapidly producing effective vaccines. Overall, RNA technologies are paving the way for innovative therapies, diagnostics, and research tools in biotechnology. This Special Issue aims to cover the aspects of nanotechnology and RNA-based technologies applied to vaccines and treatments, including recent original research or reviews, based on any of the following themes:

- Nanotechnology for RNA applications;
- Lipid nanoparticles for mRNA vaccines and therapies;
- mRNA vaccines and therapies;
- RNA-based advanced therapies;
- RNAi for therapeutics.

We look forward to receiving your contributions.

Prof. Dr. Bruna Aparecida Souza Machado

Dr. Vinicius Pinto Costa Rocha

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Editor-in-Chief

Prof. Dr. Patrick J. Sinko

Department of Pharmaceutics,
Ernest Mario School of
Pharmacy, Rutgers University,
Piscataway, NJ 08854, USA

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Pharmaceutics Editorial Office
MDPI, Grosspeteranlage 5
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