Special Issue

RNA-Based Vaccines and Therapeutics

Message from the Guest Editors

This Special Issue aims to explore the groundbreaking innovations and recent advancements made in RNA-based vaccines and therapeutics, as well as their implications for global health equity. RNA technology has garnered significant attention in recent years, particularly with the emergence of RNA COVID-19 vaccines. This Special Issue delves into the underlying science, development processes, and clinical applications of RNA-based interventions across various disease areas. From elucidating the fundamental principles of RNA biology to discussing the challenges and opportunities in vaccine design and delivery, this collection of articles will offer insights from leading experts in the field. Furthermore, this Special Issue will explore the potential of RNA therapeutics beyond infectious diseases, including their application in cancer immunotherapy, genetic disorders, and regenerative medicine. Through comprehensive reviews, original research articles, and perspectives, this Special Issue aims to provide a comprehensive overview of the current state of the art and future directions in mRNA-based vaccines and therapeutics.

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