

Special Issue

mRNA Vaccines: The Latest Technique for Humans to Fight Viruses

Message from the Guest Editor

mRNA vaccines represent a revolutionary approach in immunization, particularly against viral infections. Traditional vaccines use weakened or inactivated viruses while mRNA vaccines use messenger RNA to instruct cells in the body to translate a protein specific to the mRNA coding region. This viral protein triggers the immune system to recognize and combat the actual virus during future exposures. The key advantages of mRNA vaccines include rapid development, strong immune response, and adaptability to new viral variants. They have been crucial in the fight against COVID-19, demonstrating high efficacy and safety in large-scale global vaccination campaigns. Their success has paved the way for potential future applications in combating other infectious diseases.

Guest Editor

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