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DNA-Based Vaccines against Infectious Diseases and Cancer

Guest Editor:

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Deadline for manuscript submissions:

closed (29 February 2024)

Message from the Guest Editor

Dear Colleagues,

Vaccines are one of the most important medical interventions for the prevention of infectious diseases and cancers. Although mRNA vaccines have been recognized as next-generation vaccines, the ultra-low temperature storage of mRNA, low physical stability, and short half-life limits their global availability. In contrast, DNA vaccines are very stable, easy to manufacture, and non-HLA specific.

We welcome the submission of original research articles, reviews, mini-reviews, perspective articles, opinion articles, and commentaries around the following topics, including, but not limited to:

- Recent advances in DNA vaccine technologies.
- Synthetic DNA vaccines and DNA-encoded monoclonal antibodies (DMAbs) to prevent infectious diseases and cancer.
- Controlling gene expression using plasmid engineering and gene circuits.
- Enhancing the duration of immune response using molecular adjuvants.
- Novel methods to stabilize antigens for the development of vaccines.

Dr. Praveen Kumar Neeli and Dr. Dafei Chai are the Topical Advisory Panel Members of *IJMS*, and are assisting Dr. Srinivasa Reddy Bonam in supervising this Special Issue.



Specialsue









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Editor-in-Chief

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Message from the Editor-in-Chief

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