

Special Issue

DNA-Based Vaccines Against Infectious Diseases and Cancer

Message from the Guest Editor

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 in supervising this Special Issue.

Guest Editor

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Message from the Editor-in-Chief

The International Journal of Molecular Sciences (*IJMS*, ISSN 1422-0067) is an open access journal, which was established in 2000. The journal aims to provide a forum for scholarly research on a range of topics, including biochemistry, molecular and cell biology, molecular biophysics, molecular medicine, and all aspects of molecular research in chemistry. *IJMS* publishes both original research and review articles, and regularly publishes special issues to highlight advances at the cutting edge of research. We invite you to read recent articles published in *IJMS* and consider publishing your next paper with us.

Editor-in-Chief

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