

Special Issue

Infectious Diseases and Vaccine Technology Research

Message from the Guest Editors

Vaccination is one of the most powerful strategies to conquer infections, particularly viral pathogens. New vaccine compositions are required to elicit a strong and long-lasting immune response. To obtain a robust immune response, different adjuvants, the addition of new antigens, variation in delivery methods, and a system biology approach to make designer vaccines that enhance the efficacy have been attempted. This Special Issue includes the research on recent developments and advancements in vaccine development techniques. Topics include but are not limited to:

- Novel vaccine candidate development;
- Experimental validation of vaccines in a suitable animal model;
- Ethical issues raised related to vaccine trials;
- Optimization of vaccine strategies;
- Reverse genetics methods to develop vaccine candidates;
- Immune response elicitation;
- Development of vaccine candidates through a computational approach;
- Safety issues and reported negative impacts of specific vaccines.

Guest Editors

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About the Journal

Message from the Editor-in-Chief

The worldwide impact of infectious disease is incalculable. The consequences for human health in terms of morbidity and mortality are obvious and vast but, when infections of animals and plants are also taken into account, it is hard to imagine any other disease that has such a significant impact on our lives—on healthcare systems, on agriculture and on world economics.

Pathogens is proud to continue to serve the international community by publishing high quality studies that further our understanding of infection and have meaningful consequences for disease intervention.

Editor-in-Chief

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