



## Research on Immune Response and Vaccines

Guest Editor:

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Deadline for manuscript  
submissions:

**closed (31 January 2024)**

### Message from the Guest Editor

The importance of vaccination has gained much attention, due to the advent of COVID-19 pandemic. The ultimate goal of vaccination is to generate a safe and effective long-term immune response against targeted disease.

Most vaccines work by mimicking infections. Vaccines activate the immune system and generate memory T and B lymphocytes that "remember" the disease-causing agents. Upon encountering these pathogens later, the immune system will mount a rapid and robust immune response to antigens it has previously experienced, thereby preventing disease or reducing its severity. The initial response to a vaccine is similar to the primary response upon first exposure to a pathogen, that is, slow and limited.

In this Special Issue, we will collect articles research related to vaccine efficacy and effectiveness, vaccine failure, herd immunity, herd effect, epidemiological transfer. Specifically, vaccine-related immune responses. We invite research employing quantitative and qualitative methods as well as contributions featuring under-researched populations.





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## Editor-in-Chief

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## Message from the Editor-in-Chief

*Vaccines* (ISSN 2076-393X), founded in 2013, now has a firm history of publishing peer-reviewed, state-of-the-art research papers on vaccines and vaccination in the broadest sense. Areas covered include, but are not limited to, novel and emerging vaccine technologies, building on in-depth knowledge of what constitutes a protective immune response. These can be new vaccines for old diseases, or old vaccines for new diseases. Vaccines against cancer and autoimmune diseases explicitly are also within the scope of the journal. Because public opinion and even government policies towards vaccines and vaccination have changed, vaccine policy and public health issues are major concerns. Climate change will also have an impact on the spread of infectious diseases, and thus also on vaccine and vaccination policies worldwide.

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