

## Special Issue

# Clinical and Preclinical Development of Bacterial Vaccines

### Message from the Guest Editors

The global threat of antimicrobial resistance (AMR) has been identified by the World Health Organization as one of the three greatest threats to human health; annual deaths related to AMR are currently ~700,000, and are projected to rise to 10 million by 2050. New antibiotics cannot solve the problem, as bacteria quickly adapt and develop new resistance mechanisms. Therefore, there is an urgent need for the development of vaccines against AMR. Bacterial vaccines are used for managing bacterial diseases. They reduce the incidence of resistant and susceptible infections, as well as antibiotic consumption. Advances in vaccine technology in recent decades have made it possible to develop vaccines against previously challenging targets. There is a need to understand which vaccines are currently being developed and which may serve as tools to help control AMR in the future. The aim of this Special Issue is to investigate bacterial vaccine candidates in preclinical and clinical development against pathogens, some of the main advances made, new techniques and methods for vaccine development, and vaccine benefits and drawbacks.

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### Guest Editors

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### Deadline for manuscript submissions

closed (23 November 2023)



## Vaccines

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## About the Journal

### 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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### Editor-in-Chief

Prof. Dr. Ger Rijkers

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