

Special Issue

Impact of Vaccines and Vaccination on the Gut Microbiota

Message from the Guest Editor

The gut microbiome has an important role in human health. One area where the gut microbiome has a significant impact is in vaccination. Antibiotics or probiotics have also been shown to alter the gut microbiome and affect immunization responses. Still, it remains unclear whether vaccines can alter the gut microbiome and if the mode of vaccine delivery affects the GI microbiome. Vaccines may be able to target specific pathogens, such as multidrug-resistant (MDR) pathogens, without affecting the rest of the gut microbiome, and the impact of the gut microbiome on cancer and veterinary vaccines is an emerging research area. Submissions on these and other issues are welcomed to this Special Issue, titled “Impact of Vaccines and Vaccination on the Gut Microbiota”.

Guest Editor

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Deadline for manuscript submissions

closed (30 June 2025)



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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.

Editor-in-Chief

Prof. Dr. Ger Rijkers

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