



## Decoding Host and Microbial Communications in Infection and Vaccination

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Deadline for manuscript submissions:

**closed (15 September 2021)**

### Message from the Guest Editors

Dear Colleagues,

Understanding host-microbial interactions remains a critical paradigm in health and disease. In physiological conditions, the mucosal immune system maintains an environment tolerogenic towards commensal microbes while monitoring for the presence of pathogens. Likewise, commensal microbes communicate with the host for mutual advantages while competing against pathogen colonization. The challenges that follow infection and vaccination intersect and modulate this dialogue between the host and microbes, but how this can be traced down to metabolic pathways and metabolites has remained poorly investigated. In this Special Issue of *Vaccines*, we would like to dissect host and microbial metabolism in infection and vaccination to identify the molecular pathways that maintain and/or promote mucosal homeostasis, potentially being able to serve as biomarkers for predicting the outcomes of infection and vaccination.

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*Guest Editors*





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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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