

Special Issue

Integration of Genomics, Metabolomics, and Host Immunity: A focus of Metabolic Immune System

Message from the Guest Editors

The scope of this Special Issue covers the recent progress in immunological metabolites as they are related to immunology, host immunity, and vaccines. Our key aim is to bring the latest advances in various metabolic approaches for the detection and treatment of various types of diseases. Metabolomics and metabolite profiling research in the field of COVID-19 will be a strong focus in this Special Issue. Further metabolite, immunity, and metabolic pathway development research is more important for the treatment of COVID-19. Additionally, this Issue aims to cover the gene, mRNA, protein, and metabolite-based immunological pathway analysis and the pharmaceutical development and impact on disease prevention.

Guest Editors

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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

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manuscripts are peer-reviewed and a first decision is provided to authors approximately 18.1 days after submission; acceptance to publication is undertaken in 2.8 days (median values for papers published in this journal in the second half of 2025).