

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

Dr. Raja Ganesan

Research Professor, Institute for Liver and Digestive Diseases, College of Medicine, Hallym University, Chuncheon, Korea

Dr. Abilash Valsala Gopalakrishnan

Associate Professor, Department Biomedical Sciences, School of BioSciences and Technology, VIT, Vellore, Tamil Nadu, India

Deadline for manuscript submissions

closed (31 July 2023)



Vaccines

an Open Access Journal
by MDPI

Impact Factor 3.4
CiteScore 7.7
Indexed in PubMed



mdpi.com/si/145367

Vaccines
Editorial Office
MDPI, Grosspeteranlage 5
4052 Basel, Switzerland
Tel: +41 61 683 77 34
vaccines@mdpi.com

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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

Department of Health, Cognition and Behavior, University College
Roosevelt, 4331 CB Middelburg, The Netherlands

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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).