

Special Issue

New Perspectives of Immunity Against SARS-CoV-2

Message from the Guest Editors

The COVID-19 pandemic has profoundly expanded our understanding of the immune mechanisms that determine viral control, disease severity, and protection. This Special Issue, “New Perspectives of Immunity Against SARS-CoV-2,” aims to highlight recent advances that elucidate how innate and adaptive immune responses shape the outcome of infection and vaccination. We invite original research and reviews exploring novel aspects of mucosal and systemic immunity, viral immune evasion, and host–pathogen interactions that define susceptibility and long-term protection. Submissions addressing vaccine-induced immunity, immunomodulatory interventions, and antiviral strategies that bridge fundamental immunology with translational applications are particularly encouraged. By integrating molecular, clinical, and population-based insights, this Special Issue seeks to promote a deeper understanding of immune regulation and identify new opportunities for the prevention and treatment of SARS-CoV-2 and emerging respiratory pathogens.

Guest Editors

Dr. Jorge A. Soto

Laboratorio de Inmunología Traslacional, Centro de Investigación de Resiliencia a Pandemias, Millennium Institute on Immunology and Immunotherapy, Facultad de Ciencias de la Vida, Universidad Andrés Bello, Santiago 8370186, Chile

Dr. Felipe Melo-González

Laboratorio de Inmunología Traslacional, Centro de Investigación de Resiliencia a Pandemias, Facultad de Ciencias de la Vida, Universidad Andrés Bello, Av. República 330, Santiago 8370186, Chile

Deadline for manuscript submissions

30 November 2026



Biology

an Open Access Journal
by MDPI

Impact Factor 3.5
CiteScore 7.4
Indexed in PubMed



mdpi.com/si/260564

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

[mdpi.com/journal/
biology](https://mdpi.com/journal/biology)





Biology

an Open Access Journal
by MDPI

Impact Factor 3.5
CiteScore 7.4
Indexed in PubMed



[mdpi.com/journal/
biology](https://mdpi.com/journal/biology)



About the Journal

Message from the Editorial Board

A major strength of biological science is the diversity of approaches that biological scientists apply to their research problems. *Biology* reflects this diversity and brings together studies employing the varied experimental and theoretical approaches that are fueling biological discovery. *Biology*, the journal, is a fully peer-reviewed publication with a rapid and economical route to open access publication and is listed on PubMed. All articles are peer-reviewed and the editorial focus is on determining that the work is scientifically sound rather than trying to predict its future impact.

Editors-in-Chief

Prof. Dr. Jukka Finne

Research Programme in Molecular and Integrative Biosciences, Faculty of Biological and Environmental Sciences, University of Helsinki, P.O. Box 56, FI-00014 Helsinki, Finland

Prof. Dr. Andrés Moya

Integrative Systems Biology Institute, University of Valencia and CSIC, 46980 Valencia, Spain

Author Benefits

High Visibility:

indexed within Scopus, SCIE (Web of Science), PubMed, PMC, PubAg, CAPlus / SciFinder, and other databases.

Journal Rank:

JCR - Q1 (Biology) / CiteScore - Q1 (General Agricultural and Biological Sciences)

Rapid Publication:

manuscripts are peer-reviewed and a first decision is provided to authors approximately 16.8 days after submission; acceptance to publication is undertaken in 2.9 days (median values for papers published in this journal in the second half of 2025).