

Special Issue

Molecular Advances in Inborn Errors of Immunity

Message from the Guest Editor

Inborn errors of immunity comprise a wide spectrum of conditions characterized by a marked immunogenetic and phenotypic heterogeneity. Beyond an increased susceptibility to infections, the clinical symptomatology is associated with immune dysregulation encompassing autoimmune, allergic, autoinflammatory, and lymphoproliferative complications as well as organ-specific immunopathology. The ever-increasing advancements in molecular genetics have contributed to uncovering immunogenetic underpinnings and elucidating the phenotype–genotype interconnections of inborn errors of immunity. This Special Issue aims to discuss and highlight the immunopathogenesis of inborn errors of immunity, focusing on the role of specific genes, signaling pathways, and molecular interplays. The thematic scope of the articles will comprise the clinical, diagnostic, and therapeutic aspects of these disorders in the context of molecular immunogenetics. In this Special Issue, original research articles and reviews are particularly welcome. Instructive case reports on unusual clinico-pathological studies of immune conditions will also be accepted.

Guest Editor

Dr. Aleksandra Szczawińska-Popłonyk

Department of Pediatric Pneumonology, Allergy and Clinical Immunology, Institute of Pediatrics, Poznan University of Medical Sciences, Szpitalna 27/33, 60-572 Poznan, Poland

Deadline for manuscript submissions

20 March 2026



International Journal of Molecular Sciences

an Open Access Journal
by MDPI

Impact Factor 4.9
CiteScore 9.0
Indexed in PubMed



mdpi.com/si/228207

*International Journal of
Molecular Sciences*
Editorial Office
MDPI, Grosspeteranlage 5
4052 Basel, Switzerland
Tel: +41 61 683 77 34
ijms@mdpi.com

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





International Journal of Molecular Sciences

an Open Access Journal
by MDPI

Impact Factor 4.9
CiteScore 9.0
Indexed in PubMed



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



About the Journal

Message from the Editor-in-Chief

The International Journal of Molecular Sciences (*IJMS*, ISSN 1422-0067) is an open access journal, which was established in 2000. The journal aims to provide a forum for scholarly research on a range of topics, including biochemistry, molecular and cell biology, molecular biophysics, molecular medicine, and all aspects of molecular research in chemistry. *IJMS* publishes both original research and review articles, and regularly publishes special issues to highlight advances at the cutting edge of research. We invite you to read recent articles published in *IJMS* and consider publishing your next paper with us.

Editor-in-Chief

Prof. Dr. Maurizio Battino

Department of Odontostomatologic and Specialized Clinical Sciences,
Sez-Biochimica, Faculty of Medicine, Università Politecnica delle
Marche, Via Ranieri 65, 60100 Ancona, Italy

Author Benefits

Open Access:

free for readers, with article processing charges (APC) paid by authors or their institutions.

High Visibility:

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

Journal Rank:

JCR - Q1 (Biochemistry and Molecular Biology) / CiteScore
- Q1 (Organic Chemistry)