



## Immunometabolism: From Molecular Mechanisms to Therapeutics

Guest Editor:

**Dr. Keiko Hosohata**

Education and Research Center  
for Clinical Pharmacy, Osaka  
University of Pharmaceutical  
Sciences, 4-20-1 Nasahara,  
Takatsuki 569-1094, Japan

Deadline for manuscript  
submissions:

**closed (30 June 2022)**

### Message from the Guest Editor

This Special Issue of the *International Journal of Molecular Sciences* will focus on recent developments in the area of acute lung injury pathogenesis and treatment, including new insights into the mechanisms of and emerging therapies for immunology and metabolism, and will discuss the cell types, mediators, and pathways that contribute to immunological–metabolic crosstalk.

This Special Issue will gather reviews and original data that focus on defining the following:

- Immunometabolism in macrophage polarization;
- Metabolism for immune homeostasis in allergic diseases;
- Glucose-mediated renal injury associated with a disruption in mitochondrial metabolic agility, inflammation, and fibrosis;
- Cellular metabolism in ANCA vasculitis.





an Open Access Journal by MDPI

## 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

## 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.

## 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 (Inorganic Chemistry)

## Contact Us

---

*International Journal of Molecular  
Sciences* Editorial Office  
MDPI, Grosspeteranlage 5  
4052 Basel, Switzerland

Tel: +41 61 683 77 34  
www.mdpi.com

mdpi.com/journal/ijms  
ijms@mdpi.com  
X@IJMS\_MDPI