

Special Issue

Immune Regulations in Transplant

Message from the Guest Editor

Transplant medicine is one of the most challenging and complex areas of modern medicine. The body develops an immune response to the transplant. The immune system has both innate and adaptive components. The innate component of the immune system generates when the body recognizes certain foreign, non-self molecules, which includes an inflammatory response and phagocytosis. Adaptive or acquired immunity is some active component produced by the host after immune response, mediated by antigen-specific lymphocytes. The advance in the knowledge of both soluble and cellular adaptive and acquired components of the immune response in the last two decades is outstanding. Their involvement in the regulation of immune response in general and in the alloimmune response in transplantation has also exploded.

This Special Issue focuses on the mechanisms of immune regulation during transplantation, from the molecular to the cellular level, which may provide new therapeutic avenues for the development of transplant rejection. We encourage authors to submit original articles, reviews and short communications related to this research topic.

Guest Editor

Dr. Marcos López-Hoyos

1. Immunology Service, University Hospital Marqués de Valdecilla-IDIVAL, 39008 Santander, Spain
2. Molecular Biology Department, Universidad de Cantabria, 39005 Santander, Spain

Deadline for manuscript submissions

closed (31 October 2023)



International Journal of Molecular Sciences

an Open Access Journal
by MDPI

Impact Factor 4.9
CiteScore 9.0
Indexed in PubMed



mdpi.com/si/137317

*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)* 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, and molecular biophysics. *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. José L. Quiles
Department of Physiology, Institute of Nutrition and Food Technology
"Jose Mataix", Biomedical Research Center, University of Granada,
Avda. Conocimiento s/n, 18100 Armilla, Granada, Spain

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, CAPus / SciFinder, and other databases.

Journal Rank:

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