

## Special Issue

# Molecular Mechanisms of Ischemia/Reperfusion

### Message from the Guest Editor

The aim of this Special Issue is to collect high-quality research and review articles focusing on the molecular mechanisms and innovative therapeutic strategies related to all kinds of ischemia/reperfusion sequences in the context of both “low” and/or even “no flow” conditions, and subsequent restoration of blood flow, as well as hypoxia and re-oxygenation. A special focus will be paid to trauma and hemorrhage and resuscitation. However, articles related to other kinds of ischemia/reperfusion are welcome, e.g., aortic cross clamping, restoration of spontaneous circulation after cardiac arrest, cardiopulmonary bypass, organ transplantation, myocardial infarction and ischemic stroke. Since *IJMS* is a journal of molecular science, pure clinical studies will not be suitable; however, clinical submissions including biomolecular experiments focusing on the above-mentioned topics are welcomed.

### Guest Editor

Prof. Dr. Peter Radermacher

1. Institut für Anästhesiologische Pathophysiologie und Verfahrensentwicklung, Universitätsklinikum Ulm, Ulm, Germany
2. Service de Médecine Intensive-Réanimation et Médecine Hyperbare, Centre Hospitalier Universitaire, Angers, France

### Deadline for manuscript submissions

closed (15 May 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/127718](https://mdpi.com/si/127718)

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