

Special Issue

Molecular Mechanisms of Acute Lung Injury

Message from the Guest Editor

With the exception of a few specialized conditions, there is currently no specific treatment for acute lung injury. Therefore, further exploration of the mechanisms involved in acute lung injury and therapeutic targeting of newly discovered mechanisms is warranted. For this Special Issue, we invite both original research articles as well as comprehensive reviews addressing mechanisms of acute lung injury and novel therapeutic strategies.

- Novel models of acute lung injury;
- Mechanisms and treatment of SARS-Cov-2-induced acute lung injury;
- Mechanisms and treatment of influenza-virus-induced acute lung injury;
- Acute lung injury in vulnerable populations: pediatric, geriatric, pregnant, underlying conditions;
- Mechanisms and treatment of acute lung injury caused by toxic gases;
- Acute lung injury following cutaneous burn: thermal, chemical, electrical;
- The role of non-encapsulated heme in acute lung injury: hemorrhage, hemolysis, sickle cell disease, other hemoglobinopathies;
- Heme elimination strategies for the treatment of acute lung injury;
- Sepsis-associated acute lung injury;
- Acute lung injury following aspiration.

Guest Editor

Dr. Tamás Jilling

Department of Pediatrics, University of Alabama at Birmingham School of Medicine, 1700 6th Avenue South, Birmingham, AL 35233, USA

Deadline for manuscript submissions

closed (30 September 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/132899

*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)