

Special Issue

Liver Diseases: From Molecular Basis to Potential Therapy

Message from the Guest Editor

A crucial function of the liver is the elimination of old erythrocytes and the delivery of the necessary components for the replacement of the blood cells and the cytokines to the bone marrow. By producing the bulk of plasma proteins, first albumin, but also those of the coagulation and complement system the liver is responsible for the corpuscular and fluid components of the blood. Those proteins fulfill essential functions under normal, but more importantly under dangerous conditions, when the integrity of the liver itself, or more often when the integrity of extrahepatic tissues, is compromised. The normal condition of the liver is still not well defined at the molecular level. This is, however, essential to recognize a disease as the consequence of the interruption of the different functions. A demarcation between disease and health may not always be apparent as the liver has a large functional reserve. This can, however, be overwhelmed in cases such as drug-induced liver damage, irradiation-induced liver fat accumulation, and acute or long-term damage or in some complications of pregnancy.

Guest Editor

Prof. Dr. Giuliano Ramadori

Center of Internal Medicine, University Medical Center Goettingen,
Robert-Koch Str. 38, D-37075 Goettingen, Germany

Deadline for manuscript submissions

closed (20 July 2025)



International Journal of Molecular Sciences

an Open Access Journal
by MDPI

Impact Factor 4.9
CiteScore 9.0
Indexed in PubMed



mdpi.com/si/177269

*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)