



## Lipid Metabolism in Pathology and Health

Guest Editor:

**Prof. Dr. Ruth Birner-Grünberger**

Institute of Chemical  
Technologies and Analytics,  
Technische Universität Wien,  
Vienna, Austria

Deadline for manuscript  
submissions:

**closed (30 November 2022)**

### Message from the Guest Editor

Dear Colleagues,

Lipids are a diverse and important class of biomolecules essential for life by providing building blocks for cellular membranes, energy when their fatty acid components are burned and signaling molecules in diverse processes such as cell proliferation, apoptosis, metabolism, migration and inflammation. Maintaining integrity and fluidity of cellular membranes, ensuring function of membrane proteins, generating neutral lipids for storage or shuttling fatty acids into mitochondria and peroxisomes for beta oxidation are some of the fundamental constituents of the process called lipid homeostasis.

Several diseases, such as non-alcoholic fatty liver disease, cardiovascular disease, and cancer, have been associated with changes in lipid metabolism and lipid homeostasis. The scope of this special issue is to report recent findings on the role of lipid metabolism in pathology and health.





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, St. Alban-Anlage 66  
4052 Basel, Switzerland

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

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