

Special Issue

Cancer Cell Metabolism— Pathways and Biology

Message from the Guest Editors

With recent insights into cancer cell metabolism, our already complex perception of cancer biology has acquired several new layers of complexity. The foci of molecular cancer research have expanded from genomics and proteomics to metabolomics, and the renewed interest in the aerobic glycolysis of cancer cells has developed into research on the roles of other sources for catabolism and anabolism. These and other related factors all contribute to the general as well as the specific and malignant properties of cancer cells and tumors and are, therefore, of importance for future diagnostics and treatment strategies. In this Special Issue, we hope to provide brief background summaries, as well as some novel models and some examples, of how clinically-oriented research may reflect or apply molecular findings. This Special Issue welcomes both original papers and review articles addressing one or several of the above-mentioned issues, or of the topics mentioned in the keywords listed below.

Guest Editors

Guest Editors

Prof. Dr. Maria Shoshan

Department of Oncology-Pathology, Karolinska Institute, 171 76 Stockholm, Sweden

Prof. Dr. Valdemar Máximo

Cancer Signaling and Metabolism Research Group, Institute of Molecular Pathology and Immunology of the University of Porto (IPATIMUP), Porto, Portugal

Deadline for manuscript submissions

closed (31 May 2019)



International Journal of Molecular Sciences

an Open Access Journal
by MDPI

Impact Factor 4.9
CiteScore 9.0
Indexed in PubMed



mdpi.com/si/15816

*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)