International Journal of
Molecular Sciences

IMPACT FACTOR 5.6 | Indexed in: PubMed | CITESCORE 7.8

an Open Access Journal by MDPI

Molecular Mechanisms and Treatments of Organ Hypoxia or Ischemia

Guest Editors:

Dr. Athanasios Lourbopoulos
1. Department of Pharmacology, National and Kapodistrian University of Athens, 75 Mikras Asias Ave, Goudi, 11527 Athens, Greece
2. Institute for Stroke and Dementia Research (ISD), University of Munich Medical Center, 81377 Munich, Germany

Dr. Iordanis Mourouzis
Diabetes Center, First Department of Propaedeutic Internal Medicine, Medical School, National and Kapodistrian University of Athens, Laiko General Hospital, 11527 Athens, Greece

Deadline for manuscript submissions:
closed (15 May 2024)

Message from the Guest Editors

Hypoxia in organs is a result of ischemia, due to either macrovascular or microvascular circulation collapse. It is a process that occurs either abruptly and acutely or gradually and chronically. Ischemia and hypoxia occur in brain stroke, traumatic brain injury, vasospasmus after subarachnoid hemorrhage, myocardial infarction, kidneys, and the gastrointestinal system; secondary hypoxia occurs during autoimmune inflammation or sepsis. This means that tissue hypoxia is a cardinal underlying process in almost every pathology.

In our Special Issue (SI), we want to stimulate an “out-of-box” scientific interchange of studies that test conceptually novel molecular mechanisms and approaches for the detection and treatment of tissue hypoxia. We welcome the interdisciplinary crossing of scientific borders, e.g., by examining how a molecular pathway may be comparatively similar or different in a hypoxic brain, heart, kidney, or inflamed organ and why. Among others, we aim to collect papers with well-supported, “high-risk, high-innovative” ideas in the field of tissue hypoxia.

International Journal of
Molecular Sciences

IMPACT FACTOR 5.6 | Indexed in: PubMed | CITESCORE 7.8

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 & 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