



Mitochondrial Dysfunction in Neurodegenerative Diseases

Guest Editors:

Dr. Ashu Johri

Independent Researcher, New
York, NY 10021, USA

Dr. Abhishek Chandra

Feil Family Brain and Mind
Research Institute, Weill Cornell
Medical College, New York, NY
10065, USA

Deadline for manuscript
submissions:

10 June 2024

Message from the Guest Editors

Dear Colleagues,

Alterations in mitochondrial bioenergetics, dynamics, mitophagy and oxidative stress originating at mitochondria have long been intertwined as causative factors for neurodegenerative diseases. Neurodegeneration itself is a very complex process, and the various factors involved in its aetiology are not yet fully understood, which is why there are no disease-modifying therapies available. However, the future is not bleak; with recent technological advances, it is now possible to probe further than ever before into the mitochondria-related mechanisms of neurodegeneration. New factors, interactions and processes are being discovered every day. We are poised to make great strides towards finding a cure and, with our Special Issue, we hope to take advantage of this crucial turning point. We intend to provoke a healthy and fruitful discussion on mitochondria-targeted therapies in development and bring to the fore new and current advances in the understanding and clinical development of some of these disease mechanisms, biomarkers and therapies.





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