

Special Issue

Pathogenesis of Diseases of the Central Nervous System

Message from the Guest Editor

Physiology disbalance and pathogenesis of the central nervous system play an important role in the quality of people's life and aging. In this sense, determining the pathways followed by the different pathologies of central nervous system diseases is crucial to prevent and treat them. This Special Issue is focused on the pathogenesis of diseases of the central nervous system, and it would include original works on aspects related with molecular mechanisms of physical and chemical insults, neuronal excitotoxicity, neuronal dysfunction, Alzheimer's disease, dementia, Parkinson's disease, amyotrophic lateral sclerosis, ischemia, nephropathy, brain atrophies, acute injuries, neurogenesis, and central nervous system treatments, among others. This Special Issue will publish original research articles as well as mini and full reviews, including perspectives in the field on the current understanding of molecular mechanisms involved in the pathogenesis of diseases of the central nervous system. Manuscripts on molecular mechanisms, the introduction of ideas for new therapies or new techniques for diagnosis, and on treatment of diseases of the central nervous system are welcome.

Guest Editor

Dr. Juan José Ramos-Rodríguez
Department of Physiology, Faculty of Health Sciences (Ceuta),
University of Granada, 51001 Ceuta, Spain

Deadline for manuscript submissions

closed (15 March 2023)



International Journal of Molecular Sciences

an Open Access Journal
by MDPI

Impact Factor 4.9
CiteScore 10.0
Indexed in PubMed



mdpi.com/si/121544

*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 10.0
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)* 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, and molecular biophysics. *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. José L. Quiles

Department of Physiology, Institute of Nutrition and Food Technology
"Jose Mataix", Biomedical Research Center, University of Granada,
Avda. Conocimiento s/n, 18100 Armilla, Granada, Spain

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, CAPus / SciFinder, and other databases.

Journal Rank:

JCR - Q1 (Biochemistry and Molecular Biology) / CiteScore - Q1 (Inorganic Chemistry)