

Special Issue

Molecular Research on Pathophysiology of Multiple Sclerosis and Neuroinflammation

Message from the Guest Editor

Multiple sclerosis (MS) is an autoimmune disease of the central nervous system (CNS). Inflammatory demyelination of white matter in the CNS, characterized by acute phases alternating remission phases, is the main pathological feature of MS and of experimental autoimmune encephalomyelitis, which is its animal model equivalent, regarded as reliable. Recovery from nerve damage and degeneration after neuroinflammation at present is very difficult, probably owing to a lack of effective remedies. Thus, a better comprehension of the physiopathological processes underlying neuroinflammation during the different phases characterizing MS would help us to understand the disease and, as a result, identify efficacious therapeutic targets and, in any case, therapeutic strategies useful to counteract the disease.

The present Special Issue aims to collate original contributions and reviews exploring pathways that will lead us to the above goal. Both experimental pre-clinical studies and clinical studies involving patients will be considered, including those investigating the use of biomarkers.

Guest Editor

Prof. Dr. Fabrizio Michetti

Department of Movement, Human and Health Sciences, Laboratory of Epidemiology and Biotechnologies, University of Rome "Foro Italico", Piazza Lauro De Bosis 6, 00135 Rome, Italy

Deadline for manuscript submissions

closed (30 December 2025)



International Journal of Molecular Sciences

an Open Access Journal
by MDPI

Impact Factor 4.9
CiteScore 9.0
Indexed in PubMed



mdpi.com/si/210984

*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)* 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 (Organic Chemistry)