

Special Issue

Autoimmunity in the Nervous Systems: Multiple Sclerosis and Beyond 2.0

Message from the Guest Editors

One of the most recognizable and studied autoimmune diseases of the central nervous system is multiple sclerosis (MS); however, several other syndromes have been recognized, depending on the target of the immunological reaction. Interestingly, sometimes, the molecular mechanisms underlying these disorders overlap due to their common pathogenic pathways. Furthermore, single-nucleotide polymorphisms (SNPs) of autophagy-related genes have been reported to be associated with susceptibility to both systemic lupus erythematosus and Crohn's disease. In our opinion, looking into these types of interactions will also help to disentangle the complex regulation of autoimmunity, as well as providing valuable support for addressing possible novel targeted therapeutic efforts. Following the previous Special Issue, in this new edition, we aim to broaden the current picture of autoimmunity by also considering the proven impact of gut microbiota in the immunological balance of the nervous system. Once more, particular interest will be given to novel and original data reporting significant sex differences in the autoimmune pathogenic mechanisms of the most well-known neurological diseases.

Guest Editors

Dr. Maria Liguori

Consiglio Nazionale delle Ricerche, Institute of Biomedical Technologies, Bari Unit, Bari, Italy

Dr. Maria Rosaria Coscia

National Research Council of Italy, Institute of Biochemistry and Cell Biology, Via P. Castellino 111, 80131 Naples, Italy

Deadline for manuscript submissions

closed (10 March 2023)



International Journal of Molecular Sciences

an Open Access Journal
by MDPI

Impact Factor 4.9
CiteScore 9.0
Indexed in PubMed



mdpi.com/si/113024

*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)