



Molecular Study and Treatment of Motor Neuron Diseases

Guest Editors:

Dr. Simona Rossi

CNR-Istituto di Farmacologia
Traslazionale, 00133 Rome, Italy

Dr. Savina Apolloni

Department of Biology, Tor
Vergata University of Rome,
00133 Rome, Italy

Deadline for manuscript
submissions:

closed (20 August 2025)

Message from the Guest Editors

Motor neuron diseases (MNDs) are a group of progressive neurological disorders in which motor neurons undergo degeneration and death. It includes diseases such as amyotrophic lateral sclerosis (ALS), progressive bulbar palsy (PBP), primary lateral sclerosis (PLS), progressive muscular atrophy (PMA), spinal muscular atrophy (SMA), spinal and bulbar muscular atrophy (SBMA), and post-polio syndrome.

Although recent progress in neurochemical, physiological, genetic investigations has led to the identification of several cellular processes that seem to be involved in the motor neuronal degeneration, certain questions about the pathogenic mechanisms of MNDs remain unknown. Comprehension of these underlying mechanisms is of paramount importance because it can play a crucial role in the research and development of novel therapeutic strategies.

This Special Issue invites submissions of original papers and review articles that highlight the latest discoveries and advancements in the field of pathophysiological mechanisms, biomarker research and novel therapeutic targets in MND.





an Open Access Journal by MDPI

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

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.

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)

Contact Us

*International Journal of Molecular
Sciences* Editorial Office
MDPI, Grosspeteranlage 5
4052 Basel, Switzerland

Tel: +41 61 683 77 34
www.mdpi.com

mdpi.com/journal/ijms
ijms@mdpi.com
X@IJMS_MDPI