



Tracking Back Proteotoxicity in Neurodegenerative Diseases

Guest Editors:

Prof. Dr. Lucio Tremolizzo

1. School of Medicine and Surgery, Milan Center for Neuroscience (NeuroMI), University of Milano-Bicocca, Monza (MB), Italy
2. Department of Neurology, San Gerardo Hospital, Monza (MB), Italy

Dr. Gessica Sala

Milan Center for Neuroscience (NeuroMI), University of Milano-Bicocca, Milan, Italy

Deadline for manuscript submissions:

closed (31 December 2021)

Message from the Guest Editors

Many neurodegenerative diseases belong to the large category of proteinopathies, conditions characterized by the presence of proteinaceous inclusions within and/or outside the degenerating neurons. The identification of such aggregates supports the view that misfolded proteins represent a basic requirement for the neurodegenerative process and provides input to verify the existence of possible dysfunctions of the biological systems influencing protein homeostasis.

Besides the impairment of intracellular protein catabolic systems, epigenetic mechanisms are often involved, implying a putative environmental contribution to altering the physiological processes involved in the synthesis of disease-specific proteins. This may result in the overproduction of post-translationally modified proteins more prone to aggregation.

The aim of this Special Issue consists in enlarging the focus of our previous Special Issue “Proteotoxicity and Neurodegenerative Diseases”, tracing back even more the steps leading to protein aggregates, including also chromatin and DNA modification and transcription factor interactions, besides RNA metabolism alterations.





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