



Update on Molecular Biology and Clinic in Huntington's Disease

Guest Editors:

Dr. Grzegorz Witkowski

Department of Neurology,
Military Institute of Aviation
Medicine, 02-957 Warsaw, Poland

Dr. Daniel Zielonka

Department of Epidemiology of
Rare Diseases and
Neuroepidemiology, Poznan
University of Medical Sciences,
Poznan, Poland

Deadline for manuscript
submissions:
closed (31 August 2024)

Message from the Guest Editors

Huntington's disease was described by George Huntington over 150 years ago, and the causative gene mutation of the disease was identified over 30 years ago, but there remains a significant open area for exploration in genetics and clinic. Filling this research gap will improve both symptom- and disease-modifying treatments. The past 30 years of intensive research, since the discovery of the HD gene, have brought a substantial insight into the molecular pathophysiology of this disease. This progress allowed for preclinical studies and clinical trials aiming to determine the plethora of mechanisms leading to neurodegeneration to begin. Using different strategies to lower huntingtin, correcting brain cholesterol metabolism, and Sigma-1 receptor signaling are only a few examples of promising approaches that can help us develop effective disease-modifying therapy.

This Special Issue of the with special attention to its pathophysiology. We welcome both original research articles and review papers that reflect neurodegenerative processes.





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