Special Issue

Challenges and Innovation in Neurodegenerative Diseases

Message from the Guest Editor

The umbrella of neurodegeneration covers a group of heterogeneous diseases including Alzheimer's disease, Parkinson's disease, amyotrophic lateral sclerosis, and others. Although considerable advances in understanding the triggers of neurodegenerative diseases had led to new drug development, there are a handful of challenges. For example, good disease models are devastatingly needed. A full understanding of the involvement of protein aggregation in disease progression and the identification of specific biomarkers would allow early detection and progression monitoring. The recent application of machine learning and artificial intelligence in new drug discovery as well as the use of stem cell therapy also brings hope to patients with neurodegenerative diseases.

This Special Issue aims to collect views on the current challenges in the field, the exciting progress in deciphering the disease pathogenesis, and the cutting-edge technologies for the early detection of neurodegeneration. The accumulation of innovative findings in these areas may pave the way for the development of therapeutic interventions for neurogenerative diseases.

Guest Editor

Dr. King-Ho Cheung

School of Chinese Medicine, Hong Kong Baptist University, 7 Baptist University Road, Kowloon Tong, Kowloon, Hong Kong, China

Deadline for manuscript submissions

closed (30 May 2024)

MDPI

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)