

## Special Issue

# Neurodegenerative Diseases and Intellectual Disabilities: From Molecular Basis to Therapy

### Message from the Guest Editor

Uncovering the specific/common mechanisms underlying the disruption pathways among neurodegenerative diseases (ND) is critical to both basic and applied neuroscience. These findings will contribute to the emergence of the neural system secrets underlying not only our perception, emotion, and cognition under the physiological condition with which we think, act, and react but also highlighting pathological perturbations of neural connectomic networks observed in most well-known major ND displaying impairment in memory and cognition, such as Alzheimer (AD)/Huntington (HD)/amyotrophic lateral sclerosis (ALS)/Creutzfeldt–Jakob diseases (CJD) and Parkinson (PK)/ diseases. Although what causes ND is not fully understood, the accumulation of misfolded/aggregated proteins in the brains is a pathological characteristic of ND. Presently, ND gene therapies remain unidimensional, elusive, and limited by the tendency to address one pathological feature while ignoring others.

---

### Guest Editor

Dr. Tam Thanh Quach

Department of Neuroscience, The Ohio State University, Columbus, OH 43210, USA

---

### Deadline for manuscript submissions

closed (31 October 2022)



## International Journal of Molecular Sciences

---

an Open Access Journal  
by MDPI

---

Impact Factor 4.9  
CiteScore 9.0  
Indexed in PubMed



[mdpi.com/si/112991](https://mdpi.com/si/112991)

*International Journal of  
Molecular Sciences*  
Editorial Office  
MDPI, Grosspeteranlage 5  
4052 Basel, Switzerland  
Tel: +41 61 683 77 34  
[ijms@mdpi.com](mailto: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)