

## Special Issue

# Cutting-Edge Research and Advancements in Neurodegenerative Diseases

### Message from the Guest Editor

Loss of neurons and its functions are the common theme of neurodegenerative disorders. Common neurodegenerative disorders mainly include Alzheimer's, Parkinson's, Amyotrophic Lateral Sclerosis (ALS), prion diseases and Huntington Diseases, amongst others. Prevention of neurodegenerative diseases, early diagnosis, increased mean survival post diagnosis and improved treatment outcome can only be realised via a multifactorial approach through research excellence in technology development, use of cutting-edge techniques, purpose-built Artificial Intelligence-based innovations, discovery of early sensitive biomarkers, novel model systems, systemic approaches and novel molecular therapies.

We invite the submission of articles on any of the following topics:

- Advances in early diagnosis of neurodegenerative diseases;
- Novel therapeutics and drug discovery of neurodegenerative diseases;
- Technological advances for detecting neurodegeneration;
- Treatment options for improved patient outcomes;
- AI and machine learning for neurodegenerative diseases.

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### Guest Editor

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Faculty of Health and Life Sciences, Northumbria University Newcastle, Newcastle upon Tyne, UK

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### Deadline for manuscript submissions

25 May 2026



## International Journal of Molecular Sciences

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CiteScore 9.0  
Indexed in PubMed



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Molecular Sciences*  
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### 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.

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### Editor-in-Chief

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