

## Special Issue

# Mitochondrial Footprint in Neurological Pathology

### Message from the Guest Editor

Neurological disorder is an umbrella term for a range of brain and spinal cord diseases primarily characterized by progressive deterioration in the structure and/or functioning of neuronal cells. Neurological disorders encompass a variety of pathological conditions including (but not limited to) Alzheimer's disease, Parkinson's disease, amyotrophic lateral sclerosis, ataxia, stroke, and epilepsy. Considered the "cell's powerhouse", mitochondria also fulfill several other physiological functions, such as modulation of ionic homeostasis, oxidation of carbohydrates and fatty acids, and regulation of cell death, making these organelles vital for proper neuronal functioning. The Special Issue aims to provide a comprehensive and updated overview of the involvement of mitochondria in the pathological course of neurological disorders, and to highlight recent scientific breakthroughs on diagnostic biomarkers, pathophysiological mechanisms, and novel therapeutic interventions. That said, contributions from experts in the field in the form of original research or review articles are welcomed in this Special Issue.

### Guest Editor

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### Deadline for manuscript submissions

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## International Journal of Molecular Sciences

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### 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.

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### Editor-in-Chief

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