Special Issue

The Neural Processes Underlying Parkinson's Disease and Related Synucleinopathies

Message from the Guest Editor

Understanding the processes underlying neurodegeneration in Parkinson's disease and related synucleinopathies is critically important for the development of disease-modifying therapeutics. These disorders, which include dementia with Lewy bodies and multiple system atrophy, share the common feature of aggregation of a-synuclein protein into insoluble filamentous inclusions. Despite extensive research efforts, the relationship of protein aggregation with neuronal dysfunction and ultimate demise is yet to be fully understood. Authors are invited to submit cutting-edge research and reviews on a broad range of topics related to these disorders, including but not limited to a-synuclein cell-to-cell transmission, gut-brain interactions in Parkinson's disease, and the interplay of a-synuclein with tau and other co-occurring protein pathologies. Collectively, the aim of this issue is to enhance scientific understanding of the complex interactions between protein aggregates and cellular machinery leading to neuron death, in order to highlight new potential avenues for disease treatments.

Guest Editor

Dr. Danielle E. Mor

Department of Neuroscience and Regenerative Medicine, Medical College of Georgia at Augusta University, Augusta, GA 30912, USA

Deadline for manuscript submissions

5 November 2025

Brain Sciences

an Open Access Journal by MDPI

Impact Factor 2.8
CiteScore 5.6
Indexed in PubMed

mdpi.com/si/223171

Brain Sciences
Editorial Office
MDPI, Grosspeteranlage 5
4052 Basel, Switzerland
Tel: +41 61 683 77 34
brainsci@mdpi.com

mdpi.com/journal/brainsci

Brain Sciences

an Open Access Journal by MDPI

Impact Factor 2.8
CiteScore 5.6
Indexed in PubMed

mdpi.com/journal/brainsci

MDPI

About the Journal

Message from the Editor-in-Chief

You are invited to contribute a research article or a comprehensive review for consideration and publication in *Brain Sciences* (ISSN 2076-3425). *Brain Sciences* is an open access, peer-reviewed scientific journal that publishes original articles, critical reviews, research notes, and short communications on neuroscience. The scientific community and the general public can access the content free of charge as soon as it is published.

Editor-in-Chief

Prof. Dr. Stephen D. Meriney
Department of Neuroscience, University of Pittsburgh, Pittsburgh, PA 15260, USA

Author Benefits

High Visibility:

indexed within Scopus, SCIE (Web of Science), PubMed, PMC, Embase, PSYNDEX, PsycInfo, CAPlus / SciFinder, and other databases.

Rapid Publication:

manuscripts are peer-reviewed and a first decision is provided to authors approximately 16.2 days after submission; acceptance to publication is undertaken in 1.9 days (median values for papers published in this journal in the first half of 2025).

Recognition of Reviewers:

reviewers who provide timely, thorough peer-review reports receive vouchers entitling them to a discount on the APC of their next publication in any MDPI journal, in appreciation of the work done.