

## Special Issue

# The Microbiome in Neurological Disorders

### Message from the Guest Editor

This Special Issue will bring together cutting-edge studies exploring the role of the microbiome, particularly that of the brain-gut and brain-microbiome axes, in shaping neurological outcomes. There is increasing evidence revealing that microbial communities throughout the body, especially in the gut and nasal cavities, may influence the onset and progression of various neurological disorders, including neurodegenerative and neuroinflammatory diseases.

Understanding the bidirectional influence between the microbiome and the brain can open up new avenues for early diagnosis, prevention, and therapeutic intervention in conditions such as Alzheimer's disease, Parkinson's disease, epilepsy, multiple sclerosis, autism spectrum disorder, and beyond. Contributions to this Special Issue should investigate microbial dysbiosis, immune modulation, microbial metabolites, and host-microbiome interactions that affect the central nervous system function. We hope that this Special Issue will inspire further research and cross-disciplinary collaboration in the promising field of neuro-microbiome science.

---

### Guest Editor

Dr. Keehoon Lee

TGen Integrated Microbiomics Center, Translational Genomics Research Institute (TGen), Flagstaff, AZ, USA

---

### Deadline for manuscript submissions

20 December 2025



## Brain Sciences

---

an Open Access Journal  
by MDPI

---

Impact Factor 2.8  
CiteScore 5.6  
Indexed in PubMed



[mdpi.com/si/237360](https://mdpi.com/si/237360)

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

[mdpi.com/journal/](https://mdpi.com/journal/)

[brainsci](https://brainsci.mdpi.com)





# Brain Sciences

---

an Open Access Journal  
by MDPI

---

Impact Factor 2.8  
CiteScore 5.6  
Indexed in PubMed



[mdpi.com/journal/  
brainsci](https://mdpi.com/journal/brainsci)



## 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, PSYINDEX, 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.