

## Special Issue

# Sleep Disorders and Neural Networks

### Message from the Guest Editors

Sleep is essential for people's health and daily functioning. As sleep disorders become more prevalent in the general population, recent advances in artificial intelligence help us to alleviate stress caused by sleep disorders. This Special Issue aims to investigate the emerging and evolving technologies that impact the practice of sleep medicine. We aim to look into topics such as the accuracy of sleep testing devices in diagnosing sleep disorders, the clinical and consumer use of sleep technology in the context of the pandemic, and the use of artificial intelligence (AI), machine learning (ML) and deep learning (DL) in processing multiple sensor and data sources to provide recognizable sleep data outputs. This Special Issue welcomes original research, clinical studies and review articles that help advance our understanding of the application of artificial intelligence in sleep medicine. We hope this topic will bring together those who are working in sleep medicine and will be beneficial for both clinicians and scientists.

### Guest Editors

Prof. Dr. Rayleigh Ping Ying Chiang

Prof. Dr. Patrick J. Strollo

Prof. Dr. Murat Özgören

### Deadline for manuscript submissions

closed (31 October 2023)



## Brain Sciences

---

an Open Access Journal  
by MDPI

---

Impact Factor 2.8  
CiteScore 5.6  
Indexed in PubMed



[mdpi.com/si/150339](https://mdpi.com/si/150339)

*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/  
brainsci](https://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](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.