



an Open Access Journal by MDPI

Recent Advances in Neuroinformatics

Guest Editors:

Dr. Rodrigo Pena

Department of Biological Sciences, Florida Atlantic University, John D. MacArthur Campus, Jupiter, FL, USA

Dr. Paulo R. Protachevitz

Institute for Complex Systems and Mathematical Biology, SUPA, University of Aberdeen, Aberdeen, UK

Prof. Dr. Ricardo F. Ferreira

Department of Statistics, Federal University of Sao Carlos, Sao Carlos 13565-905, SP, Brazil

Deadline for manuscript submissions:

closed (20 September 2024)

Message from the Guest Editors

Dear Colleagues,

Understanding how the brain processes and transfers information across its various levels of organization is a crucial and fascinating question for comprehending both its healthy and pathological states. Thanks to advancements in computational neuroscience and neuroinformatics, which have bridged the gap between experiments and computers, we can now enhance our understanding of these phenomena.

This Special Issue aims to explore the latest developments in neuroinformatics, where the interface between experiments and computers can be leveraged to expand our knowledge of the brain. In particular, the continuous development in experimental procedures, where a huge amount of data can now be collected through numerous current channels and voltage imaging, create a need for a discussion of the most recent advances in neuroinformatics. Submissions covering tools commonly applied in the intersection of data and models, such as Machine Learning, Deep Learning, Information Theory, and Dynamical Systems, are also welcome in this issue.



mdpi.com/si/168819

Special Issue



an Open Access Journal by MDPI

Editor-in-Chief

Prof. Dr. Stephen D. Meriney

Department of Neuroscience,
University of Pittsburgh,
Pittsburgh, PA 15260, USA

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.

Author Benefits

Open Access: free for readers, with article processing charges (APC) paid by authors or their institutions.

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 17.6 days after submission; acceptance to publication is undertaken in 2.5 days (median values for papers published in this journal in the second half of 2025).

Contact Us

Brain Sciences Editorial Office
MDPI, Grosspeteranlage 5
4052 Basel, Switzerland

Tel: +41 61 683 77 34
www.mdpi.com

mdpi.com/journal/brainsci
brainsci@mdpi.com
[X@BrainSci_MDPI](https://twitter.com/BrainSci_MDPI)