



The Impact of Language(s), Social Environment and Culture on Brain Development and Function

Guest Editors:

Prof. Dr. Em. Jean-Marie Annoni

Dr. Narges Radman

Prof. Dr. Alfred Njamnshi

Prof. Dr. Frederic Assal

Deadline for manuscript
submissions:

15 September 2024

Message from the Guest Editors

Clinical and experimental data bring converging evidence that language offers an excellent model of brain-environment relationship. Activities such as learning to speak, act and sing, acquisition of a foreign language, as well as bilingual interaction modify not only cognitive processes, but also cortical and subcortical brain areas related to linguistic, nonlinguistic and other cognitive and sensory or motor functions. In the same manner, language recovery from aphasia after a brain lesion does rely on changes in neural activation and development of ipsilateral and contralateral cortical/subcortical-brain networks. Finally, language interventions in neurodegenerative diseases such as primary progressive aphasia or Alzheimer's disease also result in functional and structural brain changes.

The present issue aims to highlight current perspectives on the understanding of brain reorganization after language training in a real-world situation, in language learning, but also in multilingual and multi-communicative settings, as well as in language disorders. It will also focus on language recovery and therapy-induced neuroplasticity in aphasia.





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, CAPlus / SciFinder, and other databases.

Rapid Publication: manuscripts are peer-reviewed and a first decision is provided to authors approximately 15.6 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 2023).

Contact Us

Brain Sciences Editorial Office
MDPI, St. Alban-Anlage 66
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)