Special Issue

Neuromodulation of Language, Cognition and Emotion

Message from the Guest Editors

A growing methodological approach in cognitive neuroscience consists of modulating the neural activity of specific regions of the brain, using transcranial magnetic stimulation (TMS) or transcranial electrical stimulation (tDCS). These non-invasive techniques temporarily interfere with the activity of a target brain region and measure the consequences on behavioral or physiological processes. Unlike “correlational” techniques, such as neuroimaging or electroencephalography, which measure brain activity associated with functions, neuromodulation makes it possible to estimate causal links between neural regions and specific functions. In addition, neuromodulation can be combined with electromyography (EMG) measures to explore the cortico-spinal excitability, or with brain measures of BOLD or EEG signals to explore functional connectivity at rest or during tasks performance. Neuromodulation can also be applied in clinical settings to induce long lasting neuroplasticity and behavioral changes. This Special Issue invites original manuscripts involving neuromodulation methods to map brain functions, in a broad sense.

Guest Editors

Dr. Manuel de Vega

Departamento de Psicología Cognitiva, Social y Organizacional, Universidad de La Laguna, Campus de Guajara Apartado 465, 38200 La Laguna, Santa Cruz de Tenerife, Spain

Dr. Sara Borgomaneri

Dipartimento di Psicologia, Università di Bologna, Campus di Cesena, 47521 Cesena, Italy

Deadline for manuscript submissions

closed (1 September 2021)

Brain Sciences

an Open Access Journal by MDPI

Impact Factor 2.7
CiteScore 4.8
Indexed in PubMed

mdpi.com/si/78525

Brain Sciences
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 2.7
CiteScore 4.8
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 15.6 days after submission; acceptance to publication is undertaken in 1.9 days (median values for papers published in this journal in the second half of 2024).

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.