

Special Issue

Perceptual Learning and Cortical Plasticity

Message from the Guest Editor

This Special Issue on *Perceptual Learning and Cortical Plasticity* seeks to bring together a diverse array of contributions that investigate the mechanisms driving cortical plasticity and their critical role in perceptual learning. We welcome submissions that examine the cellular, synaptic, and circuit-level foundations of plasticity, including studies of synaptic remodeling such as strengthening, weakening, and reorganization in response to perceptual tasks. Contributions may include research on structural and functional plasticity revealed through advanced methodologies such as imaging, electrophysiology, or molecular analyses. Comparative studies across model organisms that provide insights into adaptations in sensory learning, as well as multimodal approaches integrating neurophysiological, behavioral, and computational techniques, are encouraged. Additionally, we invite investigations into differences between developmental and adult plasticity, focusing on critical period dynamics and the brain's capacity for lifelong adaptation.

Guest Editor

Dr. Mario Trevino

Laboratory of Cortical Plasticity and Perceptual Learning, Institute of Neurosciences, University of Guadalajara, Guadalajara, Jalisco, Mexico

Deadline for manuscript submissions

closed (31 August 2025)



Brain Sciences

an Open Access Journal
by MDPI

Impact Factor 2.8
CiteScore 5.6
Indexed in PubMed



mdpi.com/si/225653

Brain Sciences
Editorial Office
MDPI, Grosspeteranlage 5
4052 Basel, Switzerland
Tel: +41 61 683 77 34
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 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).

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.