

Special Issue

Mechanisms Underlying Alleviation of Pain

Message from the Guest Editor

Pain is a complex, multidimensional sensory experience critical to our survival—protecting us from harm by alerting us of impending trauma or bodily injury.

Although acute pain is adaptive in nature, pathological pain resulting from disease or injury is maladaptive in the long-term, when it becomes a chronic state. Both types of pain can be debilitating, negatively affecting millions of individuals worldwide, leading to impaired daily function and decreasing overall quality of life.

Recent advances in the treatment of both acute and chronic pain has lifted this burden to some degree, with the development of novel pharmacological and non-pharmacological treatment options, including analgesic substances, such as COX-2 and TNF- α inhibitors, as well as non-traditional therapeutic interventions for pain alleviation, such as neuromodulatory stimulation techniques, cognitive behavioral therapy, and acupuncture. However, the neurobiological mechanisms mediating these effects in the periphery and centrally, within the brain and spinal cord, are still a matter under intense investigation.

Guest Editor

Dr. Catherine S. Hubbard

Department of Neuroscience, Medical University of South Carolina, Charleston, SC, USA

Deadline for manuscript submissions

closed (30 November 2019)



Brain Sciences

an Open Access Journal
by MDPI

Impact Factor 2.8
CiteScore 5.6
Indexed in PubMed



mdpi.com/si/17288

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 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.