

Special Issue

Recent Advances in CNS Repair and Regeneration

Message from the Guest Editor

Injuries to the central nervous system (CNS) are a critical public health concern that result in a large number of deaths and significant impairments leading to permanent disabilities. Current studies estimate a worldwide annual incidence in the range of 500–800 per 100,000 population per year, accounting for nearly 12% of the total global disability-adjusted life years. CNS neurons of the brain, spinal cord and optic nerve are particularly susceptible to damage, and as a result of both extrinsic and intrinsic factors, CNS neurons have a limited capacity to regenerate their axons. The aim of this Special Issue is to give an overview of the most recent advances in CNS repair and regeneration, with a particular focus on the molecular mechanisms of neuronal damage and axon regeneration and their role in promoting the restoration of function. Furthermore, this Special Issue aims to take into account recent advances in biomarkers that enable CNS injury stratification, and neuroethologies which enable functional restoration. We are soliciting only high-quality review articles for this Issue.

Guest Editor

Prof. Dr. Zubair Ahmed

Neuroscience, Trauma and Ophthalmology, Institute of Inflammation and Ageing, University of Birmingham, Birmingham B15 2TT, UK

Deadline for manuscript submissions

closed (15 October 2022)



Brain Sciences

an Open Access Journal
by MDPI

Impact Factor 3.4
CiteScore 6.0
Indexed in PubMed



mdpi.com/si/119769

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 3.4
CiteScore 6.0
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.

Journal Rank:

JCR - Q2 (Clinical Neurology) / CiteScore - Q2 (General Neuroscience)

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).