



Recent Advances in Stem Cell Therapy for Brain Disease

Guest Editors:

Dr. Alejandro Arturo Canales-Aguirre

Dr. Ulises Gomez-Pinedo

Dr. Jorge Matias-Guiu

Deadline for manuscript
submissions:

closed (25 May 2024)

Message from the Guest Editors

Stem cell therapy is a branch of regenerative medicine that aims to enhance the body's repair machinery via stimulation, modulation, and regulation of the endogenous stem cell population, and/or by replenishing the cell pool, contributing toward tissue homeostasis and regeneration. Medical treatments are already having an impact on patients in a clinical setting. The flexibility and adaptability of these cells make them especially exciting new therapeutic options, both for rebuilding damaged brain tissues and for combatting neurodegenerative diseases. In recent decades, researchers found significantly improved outcomes for mesenchymal stem cell-treated patients compared with those receiving sham treatment. MSCs are well known for their homing capacity, immunomodulatory effects, and secretion of paracrine factors to repair tissues and induce functional recovery. In fact, the effect of paracrine modulation through the secretion of bioactive molecules, including lipids, proteins, free nucleic acids and different types of extracellular vesicles (EV), is well documented.





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 12.9 days after submission; acceptance to publication is undertaken in 2.5 days (median values for papers published in this journal in the first half of 2024).

Contact Us

Brain Sciences Editorial Office
MDPI, Grosspeteranlage 5
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)