

Special Issue

Blood-Brain Barrier in CNS Injury and Repair 2022

Message from the Guest Editors

The BBB is anatomically positioned within the endothelial cells of the cerebral capillaries that are connected with tight junctions. Thus, the passage of substances is severely restricted at the BBB. However, all kinds of brain diseases, several neurological diseases, and related chronic disorders are associated with the breakdown of the BBB. Furthermore, BBB breakdown allows the passage of serum proteins and other toxins into the fluid microenvironment of the central nervous system (CNS), resulting in cerebral edema formation and subsequent cellular injuries. Interestingly, no suitable therapeutic strategies have yet been worked out to treat such neurological diseases. This Special Issue will present new developments in the field of BBB research to improve current therapeutic measures as well as provide a platform to discuss the use of nanomedicine in several CNS diseases for the benefit of mankind. We ask experts in the field to contribute their latest research, perspectives, or reviews on this fascinating and rapidly progressing topic.

Guest Editors

Prof. Dr. Hari Shanker Sharma

Dr. Aruna Sharma

Prof. Dr. Nuno Vale

Deadline for manuscript submissions

closed (31 October 2022)



International Journal of Molecular Sciences

an Open Access Journal
by MDPI

Impact Factor 4.9
CiteScore 9.0
Indexed in PubMed



mdpi.com/si/97324

*International Journal of
Molecular Sciences*
Editorial Office
MDPI, Grosspeteranlage 5
4052 Basel, Switzerland
Tel: +41 61 683 77 34
ijms@mdpi.com

[mdpi.com/journal/
ijms](https://mdpi.com/journal/ijms)





International Journal of Molecular Sciences

an Open Access Journal
by MDPI

Impact Factor 4.9
CiteScore 9.0
Indexed in PubMed



[mdpi.com/journal/
ijms](https://mdpi.com/journal/ijms)



About the Journal

Message from the Editor-in-Chief

The International Journal of Molecular Sciences (*IJMS*, ISSN 1422-0067) is an open access journal, which was established in 2000. The journal aims to provide a forum for scholarly research on a range of topics, including biochemistry, molecular and cell biology, molecular biophysics, molecular medicine, and all aspects of molecular research in chemistry. *IJMS* publishes both original research and review articles, and regularly publishes special issues to highlight advances at the cutting edge of research. We invite you to read recent articles published in *IJMS* and consider publishing your next paper with us.

Editor-in-Chief

Prof. Dr. Maurizio Battino

Department of Odontostomatologic and Specialized Clinical Sciences,
Sez-Biochimica, Faculty of Medicine, Università Politecnica delle
Marche, Via Ranieri 65, 60100 Ancona, Italy

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, MEDLINE, Embase, CAPlus / SciFinder, and other databases.

Journal Rank:

JCR - Q1 (Biochemistry and Molecular Biology) / CiteScore
- Q1 (Organic Chemistry)