

Special Issue

Blood–Brain Barrier in CNS Injury and Repair

Message from the Guest Editors

Blood–brain barrier (BBB) regulates brain fluid environment strictly within a narrow limit. Passage of substances, drugs, proteins, large molecules are severely restricted. However, brain diseases following trauma, ischemia, strenuous stress, psychiatric illnesses and/or psychostimulants overuse, etc., and many neurological diseases are associated with breakdown of the BBB to large molecules. BBB breakdown allows 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. This Special Issue present developments in BBB research to improve therapeutic measures as well as nanomedicine use in several CNS diseases.

Guest Editors

Prof. Dr. Hari Shanker Sharma

Department of Surgical Sciences, Akademiska Sjukhuset, Uppsala University, 751 85 Uppsala, Sweden

Dr. Aruna Sharma

Department of Surgical Sciences, Anesthesiology and Intensive Care Medicine, Uppsala University Hospital, Uppsala, Sweden

Deadline for manuscript submissions

closed (31 July 2017)



International Journal of Molecular Sciences

an Open Access Journal
by MDPI

Impact Factor 4.9
CiteScore 9.0
Indexed in PubMed



mdpi.com/si/7472

*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)* 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, and molecular biophysics. *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. José L. Quiles
Department of Physiology, Institute of Nutrition and Food Technology
"Jose Mataix", Biomedical Research Center, University of Granada,
Avda. Conocimiento s/n, 18100 Armilla, Granada, Spain

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, CAPus / SciFinder, and other databases.

Journal Rank:

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