

## Special Issue

# The Blood–Brain Barrier and Neuroprotection

### Message from the Guest Editors

The blood–brain barrier (BBB) plays a regulatory role of the central nervous system (CNS) in maintaining homeostasis for normal brain function. In acute or chronic diseases, the BBB breakdown occurs, leading to extravasation of unwanted substances, e.g., proteins, hormones, toxins, and other harmful elements, into the brain, resulting in brain pathology. Thus, regulation of the BBB is one of the critical factors in health and disease. This Special Issue aims to explore the role of the BBB in modifying the disease processes using conventional and nanoformulations to maintain the integrity of the BBB in neurodegenerative diseases in pre-clinical and clinical conditions. Involvement of the molecular mechanisms of BBB integrity and repair will be discussed in various acute and chronic neurodegenerative diseases. We hope that this Special Issue will widen our understanding of BBB and brain diseases and enhance our knowledge of therapy.

### Guest Editors

Dr. Aruna Sharma

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

Prof. Dr. Hari Shanker Sharma

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

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Editorial Office  
MDPI, Grosspeteranlage 5  
4052 Basel, Switzerland  
Tel: +41 61 683 77 34  
[ijms@mdpi.com](mailto:ijms@mdpi.com)

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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.

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### 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

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