

Special Issue

Activation of the Blood–Brain Barrier and Neurological Dysfunction

Message from the Guest Editor

Changes in the functionality of the BBB have been associated with various neurological conditions. Blunt force trauma induced by sports or accidents, stroke, tumors, sickle cell disorders and age-related neurological conditions such as Parkinson's disease and Alzheimer's disease also have components of BBB endothelial dysfunction. More recently, psychiatric disorders have also been associated with an altered BBB function.

Although the role of the BBB endothelium in these various disorders and conditions is receiving more and more attention, many gaps in our knowledge exist. Neuroprotective treatments for these various neurological conditions are very limited. There is a great demand for novel neuroprotective approaches, and for strategies that improve drug delivery to the CNS. In addition, to better understand regional differences in the various neuropathologies, improved knowledge of BBB heterogeneity is needed.

We welcome submissions to this Special Issue of IJMS that address the basic and clinical neuropathological disease processes and highlight their underlying biomolecular science.

Guest Editor

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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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