

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

Dr. Monique F. Stins

1. Malaria Research Institute, Johns Hopkins Bloomberg School of Public Health, Baltimore, MD 21205, USA
2. La Jolla Infectious Diseases Institute, LJIDI, San Diego, CA 92130, USA
3. Biomedical Research Institute of Southern California, Oceanside, CA 92046, USA

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Editorial Office
MDPI, Grosspeteranlage 5
4052 Basel, Switzerland
Tel: +41 61 683 77 34
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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

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