

## Special Issue

# Molecular Advances in Blood–Brain Barrier, Blood–Cerebrospinal Fluid Barrier and Cerebrospinal Fluid–Brain Barriers

### Message from the Guest Editor

The blood–brain barrier (BBB), blood–cerebrospinal fluid (CSF) barrier (BCSFB), and CSF–brain barriers (CSFBBs) regulate the transport of fluids between the central nervous system and the circulating blood or CSF in order to avoid non-selective crossing of ions, molecules, toxins, and cells into the central nervous system. These barriers are highly selective and their disruption may cause numerous diseases such as stroke, multiple sclerosis, or mental disorders. Disruption of these barriers can be triggered by many factors such as hypoxia, inflammation, or intestinal dysbiosis. The knowledge of the mechanisms that maintain or disrupt these barriers as well as the mechanisms that can repair them is critical to maintaining CNS homeostasis and avoid or treat neurologic diseases.

We are pleased to invite you to contribute with your knowledge and research about the BBB, BCSFB and CSFBBs. In this Special Issue, original research articles and reviews are welcome. Research areas may include (but are not limited to) the following: neuroscience, microbiology, immunology, or clinical research with molecular data.

### Guest Editor

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### Deadline for manuscript submissions

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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

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