

Special Issue

Astrocyte-Endothelial Interactions at the Blood-Brain Barrier

Message from the Guest Editor

The blood-brain barrier (BBB), which is formed by the brain microvascular endothelial cells penetrating the brain and spinal cord of most mammals and other organisms with a well-developed CNS. Maintaining direct contact with the brain tissue astrocytes, help form a BBB by secreting chemicals that regulate how capillary endothelial cells transfer substances into the CNS from the blood. Thus, astrocyte-endothelial interactions are crucial for a precisely adjustable mechanism responsible for reliable neuronal signaling within the functional neurovascular unit. This Special Issue is dedicated to all aspects of interactions between endothelial cells and astrocytes in health and disease at the level of the blood – brain barrier. When considering your submission, please keep in mind that IJMS is a journal of molecular science. However, submissions of clinical studies with biomolecular experiments or pathological research with case sample data are welcomed.

Guest Editor

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Message from the Editor-in-Chief

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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