



Astrocyte-Endothelial Interactions at the Blood-Brain Barrier

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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.





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Message from the Editor-in-Chief

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