

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

Dr. Eva M. Medina-Rodríguez

1. Psychiatry Service, Dr. Peset Hospital (FISABIO), 46020 Valencia, Spain
2. Institute of Agrochemistry and Food Technology (IATA), Spanish National Research Council (CSIC), 46980 Paterna, Spain

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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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