

Special Issue

Blood–Brain Barrier in CNS Injury and Repair

Message from the Guest Editors

Blood–brain barrier (BBB) regulates brain fluid environment strictly within a narrow limit. Passage of substances, drugs, proteins, large molecules are severely restricted. However, brain diseases following trauma, ischemia, strenuous stress, psychiatric illnesses and/or psychostimulants overuse, etc., and many neurological diseases are associated with breakdown of the BBB to large molecules. BBB breakdown allows passage of serum proteins and other toxins into the fluid microenvironment of the central nervous system (CNS) resulting in cerebral edema formation and subsequent cellular injuries. This Special Issue present developments in BBB research to improve therapeutic measures as well as nanomedicine use in several CNS diseases.

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