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CNS Drugs Delivery

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Message from the Guest Editors

The blood–brain barrier (BBB), the blood–central system fluid (CSF) barrier (BCB), and the blood–tumor barrier (BTB) are major hurdles in treating central nervous system (CNS) diseases of the brain and spine, as they limit the passage of most therapeutic agents from the blood into CNS tissues. Currently, there is no standard treatment approach for penetrating/bypassing these barriers. The increasing worldwide lifespan has led to a rise in the prevalence of neurodegenerative disorders, which now have a huge impact on society and the economy. However, the majority of currently available treatments are ineffective due to the low or zero penetration of most therapeutic agents through the CNS barriers. Thus, means to bypass these barriers, or transiently disrupt them in a safe and controlled manner, are desperately needed. This Special Issue describes the current strategies used for CNS drug delivery.



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Special Issue



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