

Special Issue

Therapeutics and Pathophysiology of Cognitive Dysfunction

Message from the Guest Editor

Cognitive dysfunction typified by impaired attention, learning, memory, and problem-solving skills is generally referred to as 'brain fog' associated with neuroimmune imbalance in multiple neurodegenerative diseases, malignancies, and associated metabolic conditions. In neuropsychiatric diseases, cognitive impairments are associated with suicidal tendencies, which are predictive of depression relapse and are frequently retained in individuals in remission from depressive episodes. Therefore, strategies aimed at enhancing the detection threshold of cognitive impairments and attenuating these deficits through modulating the underlying pathologies, such as diminishing neuroinflammation, enhancing neurogenesis, and metabolic fitness have garnered significant attention. The possibility of non-pharmacological methods like music therapy and pharmaceutical methods, particularly those that target the GABAergic system, to alleviate cognitive symptoms has recently been investigated. To increase the quality of life, however, this domain requires more attention.

Guest Editor

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