Special Issue

Molecular Mechanism and Pathogenesis of Neuroinflammation in Neurological Disorders

Message from the Guest Editor

The incidence of dementia continues to expand worldwide; however, there are currently no effective therapeutic strategies for this disabling neurocognitive disorder. Therefore, there is an urgent need to elucidate the underlying mechanisms and develop novel therapeutics for the effective treatment of dementia.

This Special Issue will provide novel insights into the underlying mechanisms, potential targets and/or new agents for suppressing neuroinflammation. Molecular approaches to address the phenotypic shift in microglia from an anti-inflammatory to a proinflammatory state in response to aging or metabolic diseases could allow for a deeper understanding of the pathogenesis of neuroinflammation. Studies on crosstalk between microglia and the other brain cells could also be insightful. Exploring bioactive molecules that exhibit novel anti-inflammatory effects on microglia should provide significant clues on the regulation of neuroinflammation. We expect this Special Issue to contribute to the development of innovative strategies for preventing and improving AD and related dementias. We welcome original articles and reviews related to this research topic.

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