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Amyloid- β Dynamics and Neurodegeneration: Mechanistic Insights and Therapeutic Strategies

Guest Editor:

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Deadline for manuscript submissions:

31 December 2024

Message from the Guest Editor

Dear Colleagues,

Neurodegenerative diseases, including Alzheimer's disease (AD) and cerebral amyloid angiopathy (CAA), are characterized by impaired amyloid- β clearance, leading to amyloid- β accumulation. The goal of this Special Issue is to look at the molecular mechanisms that explain the dynamics of amyloid- β and how they relate to neurodegeneration (AD, CAA). We are currently seeking the submission of papers (original research, review articles, mini review articles, and opinions) that investigate multiple mechanisms in the brain and periphery that are involved in the metabolism and clearance of amyloid- β . Interest areas include the blood-brain barrier dynamics, interstitial fluid flow, glial and neuronal cell involvement, enzymatic and non-enzymatic clearance mechanisms, and the interconnections of peripheral organs. Furthermore, there is tremendous potential for research on new targets for preventing amyloid- β deposition and innovative therapeutic approaches to improve amyloid- β clearance. The goal of this Special Issue is to address research gaps, improve understanding of AD pathophysiology, and provide effective strategies for treatment



mdpi.com/si/209675

Special Issue



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Message from the Editor-in-Chief

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