

## Special Issue

# Advances of Amyloid- $\beta$ Dynamics in Health and Diseases

### Message from the Guest Editor

Neurodegenerative diseases, including Alzheimer's disease (AD) and cerebral amyloid angiopathy (CAA), are characterized by impaired amyloid- $\beta$  clearance, leading to amyloid- $\beta$  accumulation. The goal of this Special Issue is to look at the molecular mechanisms that explain the dynamics of amyloid- $\beta$  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- $\beta$ . 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- $\beta$  deposition and innovative therapeutic approaches to improve amyloid- $\beta$  clearance. The goal of this Special Issue is to address research gaps, improve understanding of AD pathophysiology, and provide effective strategies for treatment

### Guest Editor

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### Deadline for manuscript submissions

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## About the Journal

### Message from the Editor-in-Chief

*Biomedicines* (ISSN 2227-9059) is an open access journal devoted to all aspects of research on human health and disease, the discovery and characterization of new therapeutic targets, therapeutic strategies, and research of naturally driven biomedicines, pharmaceuticals, and biopharmaceutical products. Topics include pathogenesis mechanisms of diseases, translational medical research, biomaterial in biomedical research, natural bioactive molecules, biologics, vaccines, gene therapies, cell-based therapies, targeted specific antibodies, recombinant therapeutic proteins, nanobiotechnology driven products, targeted therapy, bioimaging, biosensors, biomarkers, and biosimilars. The journal is open for publication of studies conducted at the basic science and preclinical research levels. We invite you to consider submitting your work to *Biomedicines*, be it original research, review articles, or developing Special Issues of current key topics.

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