

## Special Issue

# Beta Amyloid: Synaptic Regulation and Dysregulation

### Message from the Guest Editors

The approval of Aducanumab and the confirmation of the anti-amyloid strategy against Alzheimer's disease strongly support the need for new research focused on the role of beta-amyloid in central nervous system (CNS) homeostasis. Antibody-related treatment, alongside an efficacy dispute, provokes interesting side effects such as "amyloid-related imaging abnormalities" (ARIA) and vascular consequences. Other side effects occurring at the synaptic level could be masked by disease derangement. In our mind, all scientific reports (positive and negative results) in this field are fundamental to improve the efficacy and sustainability of this therapeutic approach. This Special Issue highlights the most recent research based on functional or pathological effects of beta-amyloid and/or neutralizing antibodies on CNS homeostasis.

beta amyloid  
aducanumab  
amyloid neutralizing antibodies  
ARIA  
Alzheimer's disease  
synaptic modulation

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### Guest Editors

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### Deadline for manuscript submissions

closed (30 November 2023)



## Biomedicines

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*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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### Editor-in-Chief

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