



Advances in Alzheimer's Disease Drug Research and Development

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Message from the Guest Editor

Increased quality of life provided by modern healthcare has resulted in improved longevity associated with dementia. Alzheimer's disease (AD) is the most common cause of dementia among elderly people, affecting more than 30 million people worldwide. The mechanism of neuronal degeneration in AD remains unknown. However, hallmarks of AD are the deficit of neurotransmitters, the formation and aggregation of amyloid plaques, intracellular hyperphosphorylated tau tangles, and oxidative stress. No cure for AD currently exists. The complex nature of AD has prompted the therapeutic shift towards multitarget, single-molecule entities able to inhibit/modulate a number of relevant AD biological targets, involved in the progress and development of the disease. This Special Issue will provide updated information regarding the progress of multifaceted research surrounding AD. Original papers, communications, and review articles covering various topics—such as rational design, discovery of antioxidants, discovery of neuroprotectants, development of multitarget compounds, and repositioning approaches (excluding pure clinical studies)—are welcome.





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Message from the Editor-in-Chief

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