



Molecular Research of Alzheimer's Disease

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Message from the Guest Editor

Alzheimer's Disease represents a growing health concern. The classical neuropathogenetic model, based on brain amyloid plaque deposition, neurofibrillary tangles and cholinergic system dysfunction is undergoing reconsideration and integration in light of the failure of both amyloid-targeted and cholinesterase-inhibiting therapies. A better understanding of the relationships between the classical pathogenetic pathways and newer hypotheses are urgently required to guide future research and develop effective drugs. The role of risk factors and comorbidities, such as vascular diseases and diabetes mellitus, as well as neurovascular unit dysfunction, are suggesting the existence of newer molecular mechanisms that could represent potential targets for effective Alzheimer's Disease treatments. The aim of this Special Issue of Biomedicines is to provide an overview of the pathophysiologic role of newer and older molecular mechanisms of Alzheimer's Disease and to advance new insights for the development of new therapeutic approaches. Moreover, it will focus on newer candidate markers of disease onset and progression.





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Message from the Editor-in-Chief

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