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New Insights on Drug Design, Delivery and Targeting in Neurodegeneration

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Deadline for manuscript submissions:
closed (31 July 2023)

Message from the Guest Editors

Dear Colleagues,

Neurodegenerative diseases represent a heterogenous group of disorders characterized by progressive degeneration and death of neuronal populations. This problem is even more fundamental as the available therapies remain fairly limited and mainly focusing on symptoms relief. Thus, the development of novel drug candidates, based on state-of-the-art chemistry methodologies and/or sparsely explored chemical substances, could help to identify lead compounds with potential pharmaceutical application. On the other hand, the lack of drug efficacy in neurodegeneration treatment comes from a compromised drug delivery to their target sites. Thus, the development of cutting-edge drug delivery systems and approaches would add substantial advance in neurodegeneration treatment. In this special issue we are interested in reviews and original articles describing novel chemical design-based drug candidates and improved delivery systems to target sites with potential to deal with neurodegeneration.

drug design and discovery
drug delivery
drug targeting
neurodegeneration
new therapeutic strategies
in vitro models of neurodegeneration

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