



Epigenetic Modifications and Changes in Neurodegenerative Diseases

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Message from the Guest Editor

Dear Colleagues,

The global prevalence of neurodegenerative diseases (NDs) is dramatically increasing, making the identification of biomarkers for early diagnosis crucial. Evidence suggests that epigenetic mechanisms play a key role in the pathogenesis of these disorders. Aberrant DNA methylation, altered histone modifications, and non-coding RNA expression have been observed in the brain tissues of NDs patients, with promising peripheral blood studies. Intense research is investigating the therapeutic efficacy of epigenetic compounds.

This Special Issue aims to provide an updated overview of the epigenetics of NDs and the potential applicability of epigenetic therapy. Basic research articles aimed to identify altered epigenetic mechanisms underlying these disorders, research papers dealing with the potential of therapeutic approaches targeting epigenome, as well as articles addressing the contribution of environmental or early life factors to epigenetic changes are welcome. Updated reviews and systematic reviews are also invited to be submitted.

I look forward to receiving your contributions.





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