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Update on Molecular Biology and Clinic in Huntington's Disease

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Deadline for manuscript submissions:
31 August 2024

Message from the Guest Editors

Huntington's disease was described by George Huntington over 150 years ago, and the causative gene mutation of the disease was identified over 30 years ago, but there remains a significant open area for exploration in genetics and clinic. Filling this research gap will improve both symptom- and disease-modifying treatments. The past 30 years of intensive research, since the discovery of the HD gene, have brought a substantial insight into the molecular pathophysiology of this disease. This progress allowed for preclinical studies and clinical trials aiming to determine the plethora of mechanisms leading to neurodegeneration to begin. Using different strategies to lower huntingtin , correcting brain cholesterol metabolism, and Sigma-1 receptor signaling are only a few examples of promising approaches that can help us develop effective disease-modifying therapy.

This Special Issue of the with special attention to its pathophysiology. We welcome both original research articles and review papers that reflect neurodegenerative processes.

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Message from the Editor-in-Chief

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