

Special Issue

Precision Medicine in Neurodegenerative Disorders: Diagnosis, Treatment, and Management

Message from the Guest Editor

Neurodegenerative disorders are characterized by progressive neuronal loss in the central nervous system, causing a decline in nervous system function. Precision medicine (PM) is a course of treatment tailored specifically to an individual patient or subpopulation based on a particular genotype or specific biomarkers that could be indicative of the course of the disorder. Precision medicine uses novel biomarkers, targetable disease mechanisms, pharmacogenomics, and pharmacogenetics for early diagnosis, appropriate treatment selection, tracking response to therapy, progression, and prognosis. Its role in the diagnosis, management, monitoring, and prognosis of diseases has become more important in recent years due to the augmentation of the -omics fields, such as proteomics, metabolomics, genomics, and transcriptomics, which have allowed for PM to establish reliability as a developing domain. The use of novel biomarkers in neurodegenerative diseases has allowed for individualized therapies and prognoses to be more prevalent, increasing the accuracy of diagnoses and the efficacy of interventions based on PM.

Guest Editor

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