Special Issue

Biomarkers for Neurodegenerative Disorders

Message from the Guest Editor

Neurodegenerative disorders are characterized by progressive neuronal loss in the central nervous system, which leads to various symptoms and/or neurological findings according to a damaged cell type and lesions. In principle, these disorders are diagnosed by pathological findings including aggregates of proteins, part of which are now visualized by amyloid beta and tau positron emission tomography (PET) in several hospitals and institutions. However, PET is not easy to access due to high invasiveness, high cost, the short half-life of the tracer, and limited availability. We need readily available biomarkers, such as magnetic resonance imaging (MRI), MR spectroscopy (MRS), electroencephalography (EEG), polysomnography (PSG), and proteins in cerebrospinal fluid (CSF) or blood, to fill the gap between pathology and clinical practice. This Special Issue aims to bring together a collection of cutting-edge research that focuses on diagnostic biomarkers as well as prognostic biomarkers for neurodegenerative disorders. I welcome studies with a small sample size if the highlighted method is novel and attractive. I hope this Special Issue will be of great help to clinical practice.

Guest Editor

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