

Special Issue

Biomarkers and Diagnostics in Neurological Diseases

Message from the Guest Editor

Over the past decade, significant progress has been achieved in implementing novel biomarkers for diagnosing neurological diseases. This Special Issue highlights current research and fosters discussions on the evolving role of biomarkers in neurological diseases. Topics of interest include diagnostic biomarkers across neuroimaging, neurophysiology, serology, and cerebrospinal fluid (CSF) domains. Examples encompass the following: (i) Established serum and CSF biomarkers;

(ii) Emerging biomarkers for differential diagnosis and treatment monitoring in neurodegenerative and neuroimmunological disorders;

(iii) Lipoprotein(a) as a cerebrovascular biomarker for intracranial and extracranial atherosclerosis;

(iv) Inflammatory cytokines, Schwann cell-specific proteins, and microRNAs for peripheral neuropathies;

(v) Neuroimaging biomarkers, including amyloid PET, tau PET, and advanced modalities like spectroscopy;

(vi) Translational neurophysiological biomarkers;

(vii) Artificial intelligence (AI) applications for identifying reliable neurological biomarkers. This Special Issue aims to advance understanding and clarify the clinical utility of biomarkers in neurology.

Guest Editor

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There has been an explosion of gene and target based research and therapeutics in the multitude of fields that compose clinical medicine. The *Journal of Clinical Medicine's* (JCM) staff and editorial board are dedicated to providing cutting edge, timely, and peer-reviewed articles covering the diverse subspecialties of clinical medicine. The journal publishes concise, innovative, and exciting research articles as well as clinically significant articles and reviews that are pertinent to the myriad of disciplines within medicine. The articles published are relevant to both primary care physicians and specialists. The journal's full-texts are archived in PubMed Central and indexed in PubMed. Please consider submitting your manuscripts for publication to our journal and check us out on-line!

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