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Neuromuscular and Neurodegenerative Diseases: Towards Personalized Medicine, Therapeutics and Improved Mechanistic Understanding

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Message from the Guest Editors

Advancing research for neuromuscular and neurodegenerative diseases requires a coordinated effort between clinicians, scientists, patients and their families, and other stakeholders. This collaboration drives the collection of samples and the direction of clinical investigation, and combined with recent progress in terms of genetic and genomic analysis has enabled the research community to make real gains towards improvements in patient care.

The identification of different groups and subgroups of patients affected by a specific disease pushes the scientific community to move toward personalised/stratified therapeutic strategies. Deciphering the cascade of mechanisms being affected in each subgroup improves our understanding of a given disease and helps us to identify biomarkers and therapeutic strategies.

This Special Issue is dedicated to recent research progress in neuromuscular and neurodegenerative diseases, with a focus on biomarkers, clinical indicators, mechanisms explaining or contributing to irreversible cell loss and therapeutic strategies.

Up-to-date original research papers, communications and reviews will be considered.

Special Issue



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Message from the Editor-in-Chief

Journal of Personalized Medicine is one of the few journals that covers the diverse areas involved in the field, including research at basic, translational, and clinical levels. It focuses on “omics”-level studies that seek to define the basis of interindividual variation in susceptibility for a disease, its prognosis or definition of clinical subsets, and response to therapy (pharmacogenomics). We are also interested in systems biology as it relates to interindividual variation, and research on new methodologies, informatics, and biostatistics, in the aforementioned areas.

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