

## Special Issue

# Neuromuscular Diseases: From Pathophysiology to Novel Therapeutic Approaches

### Message from the Guest Editor

Neuromuscular diseases encompass a diverse group of disorders affecting the function of muscles, nerves, and the neuromuscular junction, often leading to significant morbidity. Advances in our understanding of the underlying pathophysiology are paving the way for innovative therapeutic strategies. This Special Issue aims to provide a comprehensive exploration of the recent progress made in the field, bridging fundamental research and clinical applications. We invite high-quality submissions that address the molecular and cellular mechanisms of neuromuscular disorders and their genetic underpinnings and emerging biomarkers. Contributions on cutting-edge therapeutic approaches, including gene therapy, targeted drugs, and regenerative medicine, are especially welcome. Submissions may include original research articles, systematic reviews, concise communications, and expert opinions that highlight novel insights or tackle existing challenges. Reviews synthesising current knowledge or proposing future research directions are also encouraged.

### Guest Editor

Dr. Marco A.F. Fernandes

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### Deadline for manuscript submissions

31 December 2025



## Biomedicines

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### Message from the Editor-in-Chief

*Biomedicines* (ISSN 2227-9059) is an open access journal devoted to all aspects of research on human health and disease, the discovery and characterization of new therapeutic targets, therapeutic strategies, and research of naturally driven biomedicines, pharmaceuticals, and biopharmaceutical products. Topics include pathogenesis mechanisms of diseases, translational medical research, biomaterial in biomedical research, natural bioactive molecules, biologics, vaccines, gene therapies, cell-based therapies, targeted specific antibodies, recombinant therapeutic proteins, nanobiotechnology driven products, targeted therapy, bioimaging, biosensors, biomarkers, and biosimilars. The journal is open for publication of studies conducted at the basic science and preclinical research levels. We invite you to consider submitting your work to *Biomedicines*, be it original research, review articles, or developing Special Issues of current key topics.

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### Editor-in-Chief

Prof. Dr. Felipe Fregni

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