

## Special Issue

# Molecular and Cellular Mechanisms and the Pathophysiology of Skeletal Muscle Diseases

### Message from the Guest Editor

Skeletal muscle is one of the most extended organs in the human body and is characterized by an elaborate architecture of multinucleated contractile myofibers within a complex microenvironment that includes endothelial and immune cells, motor neurons, perivascular and connective tissue, and muscle stem cells. Several disorders affect the structure and/or function of skeletal muscle and can be classified into two broad categories: genetically determined and acquired myopathies. Many of these diseases are still awaiting effective treatments because their pathological mechanisms are not well understood. Recent advances in biological knowledge and technologies, such as stem cell protocols and high-throughput platforms, are making the study of molecular and cellular dynamics in skeletal muscle possible at unprecedented depths. This Special Issue will update the latest findings on the biomolecular and cellular processes underlying primary muscle diseases, with the aim of improving understanding of their pathophysiological mechanisms and finding potential drug targets. Original research articles, reviews, and short communications related to this topic are all welcome.

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### Guest Editor

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### Deadline for manuscript submissions

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## International Journal of Molecular Sciences

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