



Novel Molecular Approaches to Skeletal Muscle Disease and Disuse 2.0

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Message from the Guest Editor

Muscle-specific diseases with a variety of genetic and acquired causes, as well as aging and metabolic disorders, impair the function of skeletal muscle. This has consequences that extend far beyond muscle itself, with a systemic impact on the quality of life. Exercise can be an important non-pharmacological therapeutic intervention counteracting the effects of disuse; however, mechanistic knowledge on muscle physiopathology can improve its applicability and ensure greater success. With this Special Issue, we aim to illuminate the impacts of omics technologies on the system analysis of muscle disease. We are looking for transcriptomics, proteomics, and metabolomic studies which tackle different aspects of muscle disuse and therapeutic interventions. In addition, we intend to show how new molecular approaches, technologies, and disease models are channeling invaluable information that supports translational research and novel therapeutic approaches.

This second Special Issue will host original research articles, as well as reviews and meta-analyses, of omics data on all aspects of muscle disease and disuse.





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Message from the Editor-in-Chief

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