



Skeletal Muscle Function and Metabolism: Molecular Mechanisms and Treatment

Guest Editor:

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Deadline for manuscript
submissions:

closed (20 October 2024)

Message from the Guest Editor

This Special Issue focuses on the most recent findings about molecular advances in skeletal muscle function. Despite the recent improvements in this field, important information is still missing about skeletal muscle metabolism. Mitochondria serve as the final targets of metabolism-related signalization pathways and their dynamic nature requires precise regulatory mechanisms. A final response could be modified by epigenetic mechanisms including the inhibition of protein translation by miRNA and other forms of gene expression regulation. Since skeletal muscle is involved in lipid and glucose homeostasis, it can serve as a target in the treatment of metabolic disorders. Additionally, understanding the molecular background of disorders primarily affecting skeletal muscle could improve therapeutic options in dystrophies, age-related muscle atrophy, and sarcopenia. Regarded together, further research needs to be performed to completely understand the molecular regulation of skeletal muscle function. Therefore, we kindly invite you to publish your results in this Special Issue of *IJMS* entitled “Skeletal Muscle Function and Metabolism: Molecular Mechanisms and Treatment”.





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Message from the Editor-in-Chief

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