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Special Issue Reprint

Nutrition and Exercise Interventions on Skeletal Muscle Physiology, Injury and Recovery: From Mechanisms to Therapy

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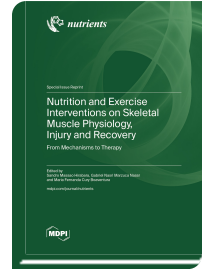
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This Special Issue combined efforts toward comprehending the effects of nutrition, supplements, and physical exercise on skeletal muscle physiology, injury, and recovery through the use of different experimental models (cells, animals, and humans) in both healthy and pathological conditions. Particular interest of this call included studies addressing the cellular and molecular mechanisms involved in these processes, including energy metabolism, inflammatory pathways, oxidative stress regulation, mitochondrial function alteration, and gene expression control, as well as the identification of potential molecular targets and the use of nutritional interventions and physical exercise training protocols for the treatment and/or prevention of skeletal muscle injury and recovery.



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