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

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Message from the Guest Editors

The present Special Issue aims to join efforts towards the comprehension of the effects of nutrition and physical exercise on skeletal muscle physiology, injury, and recovery, using different experimental models (cells, animals, and humans) in both healthy and pathological conditions. Of particular interest, studies addressing cellular and molecular mechanisms involved in these processes, including energy metabolism, inflammatory pathways, oxidative stress regulation, mitochondrial function alteration, and gene expression control are welcome. We also welcome papers targeting the identification of cellular and molecular targets of nutritional interventions and physical exercise for the treatment and/or prevention of skeletal muscle injury and recovery.

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Special Issue



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