

Special Issue

Molecular Mechanisms of Skeletal Muscle Metabolism

Message from the Guest Editor

Skeletal muscle (SkM) is critical for the generation of mechanical force and the support of bodily posture and movement. However, in recent years, the relevance of SkM functions as a regulator of whole-body metabolism, especially carbohydrate and lipid metabolism, has been studied. Although this interest is mainly due to its contribution to resting energy expenditure, insulin-mediated glucose disposal and body mass, the role of SkM in lipid metabolism is underestimated.

In this Special Issue, high-quality original research and reviews are welcome, as they could help us to better understand the cellular mechanisms underlying glucose and lipid metabolism inside SkM and the potential crosstalk between SkM modulators and the effects of released myokines on other organs during exercise, as well as in patients with obesity and other pathological conditions. Reporting advances in SkM metabolic capacity in aging and sex differences is also encouraged.

Guest Editor

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