

## Special Issue

# Mitochondrial Control of Muscle Growth in Health and Diseases

### Message from the Guest Editor

The heart is the engine of life that relies on mitochondria for a continuous supply of energy. Mitochondria are unique multifunctional organelles that control a myriad of cellular responses including cardiac calcium handling, redox balance, and cell death. Recently, mitochondria have also been identified as key players in the regulation of pathological and physiological growth of striated muscle. Not only by providing the building blocks for growth, but also by fostering direct mitochondrial to nuclear crosstalk that regulate cellular growth responses. The exact mechanisms responsible for mitochondrial to nuclear crosstalk in cardiac and skeletal muscle and how they contribute to adaptive and maladaptive cardiac growth remains elusive. In the Special Issue, we solicit original and review articles that provide novel insights into the role of this intriguing form on subcellular communication in the context of adaptive and maladaptive muscle growth in health and disease.

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### Guest Editor

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### Deadline for manuscript submissions

closed (31 December 2021)



## International Journal of Molecular Sciences

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