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## Impact of Exercise on Energy and Muscle Metabolism

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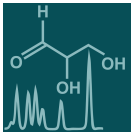
### Message from the Guest Editor

A key theme in this Special Issue is the adaptability of muscle metabolism in response to exercise and how this acutely and chronically affects muscle performance and adaptation. Studies have examined the molecular and cellular changes that occur in muscle tissue during and after exercise, shedding light on how exercise impacts mitochondrial function, oxidative stress and muscle fiber composition. Additionally, this Special Issue aims to explore the interplay between exercise-induced muscle contractions and metabolic signaling pathways, revealing insights into how these interactions contribute to overall metabolic health.



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# Special Issue



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## Message from the Editor-in-Chief

The metabolome is the result of the combined effects of genetic and environmental influences on metabolic processes. Metabolomic studies can provide a global view of metabolism and thereby improve our understanding of the underlying biology. Advances in metabolomic technologies have shown utility for elucidating mechanisms which underlie fundamental biological processes including disease pathology. *Metabolites* is proud to be part of the development of metabolomics and we look forward to working with many of you to publish high quality metabolomic studies.

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