Special Issue

Metabolic Adaptations in Cardiac and Skeletal Muscle during Acute and Chronic Exercise, 2nd Edition

Message from the Guest Editor

Exercise training is known to facilitate the management of obesity, diabetes, hypertension, and cardiovascular disease, as well as several musculoskeletal disorders. However, the precise molecular adaptations that exercise elicits in cardiac and skeletal muscle are still not fully understood. This knowledge gap exists, in part, due to a reliance on study populations made up of predominantly young male athletes, and the usage of exercise training protocols that vary in intensity and duration. Therefore, more research that bridges the gap between population differences and protocol variation is warranted to elucidate the metabolic adaptations that result from exercise. This Special Issue of Metabolites will be dedicated to publishing original articles and reviews that focus on the metabolic adaptations that occur in cardiac and skeletal muscle in response to acute or chronic exercise in both healthy and diseased populations. It is intended to be an extension of the first volume. Studies and articles that investigate the appropriate "exercise prescription" that modifies health and disease will be of importance.

Guest Editor

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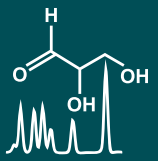

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About the Journal

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.

Editor-in-Chief

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