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New Pathways to Improve Muscle Metabolism and Muscle Growth

Guest Editor:

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Deadline for manuscript submissions:
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Message from the Guest Editor

Dear Colleagues,

This Special Issue will highlight cutting-edge advances in identifying metabolite-regulated pathways that improve the metabolism and growth of skeletal muscle. In recent years, the field of muscle biology has been revolutionized by metabolic flux analysis, identification of metabolite-sensing receptors, and the interplay between skeletal muscle-derived hormones and classical endocrine hormones in regulating muscle metabolism and growth in states of disease and healthful adaptation.

These advances enable and require interdisciplinary methods of investigation and broader thinking to view skeletal muscles as more than a force-generation machine. By doing so, we can recognize the intricate biophysical and biochemical control points within skeletal muscle that regulate muscle metabolism and growth, and in turn, the physiology of the organism.

Dr. Rebecca L. Berdeaux
Guest Editor

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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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