Special Issue

Mitochondria and Metabolism in Disorders

Message from the Guest Editor

Mitochondria are bioenergetic organelles that support cell growth and functions through direct implication in cell signaling and metabolic pathways. Mitochondrial dysfunction regroups a spectrum of defects associated with altered bioenergetics, oxidative stress, metabolic rewiring, the production of new metabolites, inflammation, and cell death. Since mitochondrial dysfunction is shared among a large spectrum of diseases, therapeutic targeting of mitochondria appears as a promising strategy to treat multiple disorders. This Special Issue proposes an exploration of the metabolic bases of disorders characterized by mitochondrial dysfunction. It will introduce state-of-the-art technologies in metabolomics and discuss emerging approaches to study mitochondrial dysfunction. Our objective is to bring together the work of leading researchers to shed light on the current state of mitochondrial research and the challenges associated with the study of mitochondria.

Guest Editor

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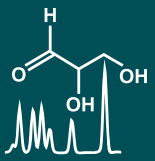
Deadline for manuscript submissions

closed (31 January 2020)



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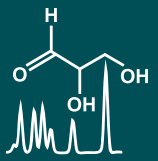

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About the Journal

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

Dr. Amedeo Lonardo
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