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Mitochondrial Dysfunction: A Metabolic, Cardiovascular, Neurodegenerative and Neuromuscular Issue

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Deadline for manuscript submissions:
closed (20 April 2023)

Message from the Guest Editors

Mitochondrial diseases are a large group of genetically determined multisystem disorders, characterized by extreme phenotypic heterogeneity, attributable in part to the dual genomic control of the mitochondrial proteome. The correct use of biochemical and histology testing, in combination with imaging studies, has proved helpful in genotype-phenotype correlations.

However, new therapeutic research approaches are improving our knowledge in the functions of mitochondrial genes, their expression pattern, features of gene defects or risk of transmission.

This Special Issue focuses on mitochondrial dysfunction in neurodegenerative and cardiovascular diseases, aging, cancer and signaling pathways leading to mitochondrial biogenesis and mitophagy. We will welcome original research articles, comprehensive reviews and novel communications dealing with the molecular pathways underlying the role of mitochondria in disease mechanisms or expanding genotype-phenotype correlations.

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Message from the Editor-in-Chief

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