

Special Issue

Mitochondrial Transport and Energy Metabolism in Health and Diseases

Message from the Guest Editor

Studies from many laboratories over recent years have uncovered the existence and established the properties of a variety of mitochondrial transporters. The properties of these transporters throw light on a variety of biochemical phenomena that were previously poorly understood. In particular, the role of mitochondrial transport in energy metabolism has been investigated under a variety of physiological/pathological conditions. However, this issue is still not exhaustively elucidated; in particular, some topics merit further attention. They include: How to study mitochondrial transport: strengths and weaknesses of different experimental approaches; K⁺, Ca²⁺, and metal ion transport in mitochondria; Protein movement across the mitochondrial membranes; How vitamins and vitamin derivatives can enter mitochondria; How nucleic acids can enter mitochondria; Mitochondrial transport in glucose, fatty acid and amino acid metabolism and et al.

Guest Editor

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