



Mitochondrial Transport and Energy Metabolism in Health and Diseases

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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 physio-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^+ , Ca^{2+} , 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.





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Message from the Editor-in-Chief

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