

Special Issue

Advances in Mitochondria-Targeted Drug Delivery

Message from the Guest Editors

Mitochondria are dynamic organelles considered the cell's powerhouses, converting energy stored in nutrients into ATP through the oxidative phosphorylation system. Mitochondria also play a pivotal role in other functions, such as heme biosynthesis, oxygen sensing, calcium homeostasis, and cell growth, fate, and death. Whether primary or secondary, mitochondrial dysfunctions are increasingly recognized as a hallmark of several pathologies, including cancer, neurological, cardiovascular, immunological, and metabolic disorders; therefore, growing efforts are directed toward mitochondria as a therapeutic target. This Special Issue aims to collect the current state of the art on therapeutic advances in mitochondrial medicine, approaches for mitochondrial-targeted drug delivery, and metabolic and gene therapy strategies. Original research articles, comprehensive reviews, and short communications that will supply important novel data are welcome. We look forward to receiving your contributions.

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Editor-in-Chief

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