



Advances in Mitochondria-Targeted Drug Delivery

Guest Editors:

Dr. Dario Brunetti

1. Mitochondrial Medicine
Laboratory, Department of
Medical Biotechnology and
Translational Medicine,
University of Milan, Milan, Italy
2. Unit of Medical Genetics and
Neurogenetics, Fondazione
IRCCS Istituto Neurologico "Carlo
Besta", Milan, Italy

Dr. Emanuela Bottani

Department of Diagnostic and
Public Health, Section of
Pharmacology, University of
Verona, 37134 Verona, Italy

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Message from the Guest Editors

Dear Colleagues,

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

Prof. Dr. Patrick J. Sinko

Department of Pharmaceutics,
Ernest Mario School of
Pharmacy, Rutgers University,
Piscataway, NJ 08854, USA

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Pharmaceutics Editorial Office
MDPI, St. Alban-Anlage 66
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