



## Mitochondria-Targeted Approaches in Health and Disease 2.0

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### Message from the Guest Editor

Dear Colleagues,

Mitochondria are one of the most intriguing intracellular elements. Apart from their great contribution to cellular bioenergetics, they perform various unique functions (both synthetic and regulatory). Now, it has become clear that mitochondrial fitness is a prerequisite of a healthy cell. However, because of intrinsic and extrinsic challenges, this machinery misses mitochondrial defects, yielding the co-existence of normal and abnormal mitochondria within a single cell, which is a main index of diseases and aging. To avoid the unnecessary appearance of an unhealthy mitochondrial population in the cell when intrinsic mechanisms of reparation have partially or completely failed, various approaches have been successfully developed. The goal of the proposed Special Issue, Mitochondria-Targeted Approaches in Health and Disease, is to collect all of the possible methods of intervention into mitochondrial functioning, so as to prevent or repair unwanted changes in mitochondrial structure and function.

Prof. Dr. Dmitry Zorov

*Guest Editor*





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## Message from the Editor-in-Chief

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