



Mitochondria in Human Health and Diseases

Guest Editor:

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Deadline for manuscript
submissions:

31 July 2024

Message from the Guest Editor

Mitochondria, an energy center integrating with other organelles, contribute to a variety of cellular activities and stress responses through their dynamic properties such as fusion, fission and mitophagy, leading to the maintenance of cellular homeostasis. Recent advances in mitochondrial biology demonstrate that mitochondria not only act as organelles of “a cellular power plant” for ATP production to energize cellular/molecular activities of daily life, but also circulate in human peripheral blood and function as novel mediators involved in the crosstalk among different cells, tissues, and organs in physiological and pathological conditions.

This Special Issue focuses on recent progress in basic research and clinical studies of mitochondria to facilitate their translational potential in clinics. Researchers and clinicians are encouraged to submit insightful reviews and research papers on the topic of mitochondria.





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Message from the Editor-in-Chief

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