

Special Issue

Remodeling of Mitochondria in Cancer and Other Diseases 2.0

Message from the Guest Editor

Mitochondria are highly dynamic and responsive organelles that are capable of undergoing fission and fusion and are the hub for diverse signal processors, which are fundamental to cellular homeostasis, energy production, metabolism, survival, and death. Mitochondrial remodeling, including rearranging, recycling, and reprogramming, is essential for mitochondrial quality control, structural integrity, and functional interaction with other cellular organelles. Although we are still far from fully understanding the complexity of mitochondrial remodeling in its physiological and pathophysiological significance, this process has been, nonetheless, implicated in the pathogenesis of many human disorders, including cancer and aging-related diseases. This Special Issue aims to increase our understanding of the role, regulation, and impact of mitochondrial remodeling in disease-specific pathology and possibly translate these findings into therapeutics, from basic research to the clinic.

Guest Editor

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Deadline for manuscript submissions

closed (15 January 2023)



International Journal of Molecular Sciences

an Open Access Journal
by MDPI

Impact Factor 4.9
CiteScore 9.0
Indexed in PubMed



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*International Journal of
Molecular Sciences*
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The International Journal of Molecular Sciences (*IJMS*, ISSN 1422-0067) is an open access journal, which was established in 2000. The journal aims to provide a forum for scholarly research on a range of topics, including biochemistry, molecular and cell biology, molecular biophysics, molecular medicine, and all aspects of molecular research in chemistry. *IJMS* publishes both original research and review articles, and regularly publishes special issues to highlight advances at the cutting edge of research. We invite you to read recent articles published in *IJMS* and consider publishing your next paper with us.

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