

Special Issue

Mitochondrial Respiration in Physiology and Pathology

Message from the Guest Editors

Mitochondria are key organelles within the cell, regulating a variety of functions essential for the maintenance of cellular homeostasis. Beyond their involvement in apoptosis regulation pathways, their main mitochondrial function is to produce ATP via oxidative phosphorylation. The aim of this issue is to collect recent studies investigating mitochondrial function in physiological and/or pathological conditions. The deep understanding of specific mechanisms behind electron transport chains and OXPHOS malfunctioning is particularly important because of the potential development of any pharmacological strategy aimed at recovering the organelle function.

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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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