

Special Issue

A Mitochondrial Perspective on Noncommunicable Diseases

Message from the Guest Editor

Noncommunicable diseases (NCDs) are the leading cause of death. Mitochondrial dysfunction has been identified as a major contributing factor in several NCDs, making it pertinent to discuss the mechanisms underlying this and its contribution regarding the initiation and/or progression of NCDs. Understanding the mitochondrial phenotype and treatment responsiveness in NCDs could be a valuable resource concerning its reduction. This Special Issue aims to provide a detailed and updated overview of the mitochondrial contribution to noncommunicable diseases. Please feel free to share your research regarding mitochondrial-targeted strategies concerning diagnosis, metabolism regulation, therapies, and disease prevention contributing to the treatment and reduction in NCDs, also welcoming research and review articles targeting mitochondrial alterations in NCDs. We would also like to encourage articles addressing the contribution of environmental or early-life factors towards the alteration of the mitochondrial biology observed in NCDs.

- noncommunicable diseases
- metabolic disease
- mitochondria
- metabolic sensors
- biomarker
- redox status

Guest Editor

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Message from the Editor-in-Chief

Biomedicines (ISSN 2227-9059) is an open access journal devoted to all aspects of research on human health and disease, the discovery and characterization of new therapeutic targets, therapeutic strategies, and research of naturally driven biomedicines, pharmaceuticals, and biopharmaceutical products. Topics include pathogenesis mechanisms of diseases, translational medical research, biomaterial in biomedical research, natural bioactive molecules, biologics, vaccines, gene therapies, cell-based therapies, targeted specific antibodies, recombinant therapeutic proteins, nanobiotechnology driven products, targeted therapy, bioimaging, biosensors, biomarkers, and biosimilars. The journal is open for publication of studies conducted at the basic science and preclinical research levels. We invite you to consider submitting your work to *Biomedicines*, be it original research, review articles, or developing Special Issues of current key topics.

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