



an Open Access Journal by MDPI

A Mitochondrial Perspective on Noncommunicable Diseases

Guest Editor:

Dr. Susana P. Pereira

1. Research Center in Physical Activity, Health and Leisure (CIAFEL), Faculty of Sports, University of Porto (FADEUP), Laboratory for Integrative and Translational Research in Population Health (ITR), 4200-450 Porto, Portugal
2. CNC - Center for Neuroscience and Cell Biology, CIBB - Centre for Innovative Biomedicine and Biotechnology, University of Coimbra, 3004-504 Coimbra, Portugal

Deadline for manuscript submissions:
closed (31 January 2023)

Message from the Guest Editor

Dear Colleagues,

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



mdpi.com/si/113770

Special Issue



an Open Access Journal by MDPI

Editor-in-Chief

Prof. Dr. Felipe Fregni

1. Neuromodulation Center and
Center for Clinical Research
Learning, Spaulding
Rehabilitation Hospital and
Massachusetts General Hospital,
Harvard Medical School, Boston,
MA 02114, USA
2. Department of Epidemiology,
Harvard T.H. Chan School of
Public Health, Boston, MA 02115,
USA

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.

Author Benefits

Open Access: free for readers, with article processing charges (APC) paid by authors or their institutions.

High Visibility: indexed within *Scopus*, *SCIE (Web of Science)*, *PubMed*, *PMC*, *CAPLus / SciFinder*, and other databases.

Journal Rank: JCR - Q1 (Pharmacology and Pharmacy) / CiteScore - Q2 (*Medicine (miscellaneous)*)

Contact Us

Biomedicines Editorial Office
MDPI, St. Alban-Anlage 66
4052 Basel, Switzerland

Tel: +41 61 683 77 34
www.mdpi.com

mdpi.com/journal/biomedicines
biomedicines@mdpi.com
[X@Biomed_MDPI](https://twitter.com/Biomed_MDPI)