

## Special Issue

# Mitochondrial Dysfunction and Reactive Oxygen Species in Aging and Related Diseases

### Message from the Guest Editors

Mitochondrial dysfunction plays a significant role in the aging process and is associated with various age-related diseases. Understanding and addressing mitochondrial health are crucial for developing interventions that can improve quality of life and mitigate the effects of aging. This Special Issue highlights the latest research on the role of mitochondrial dysfunction in aging and disease. We invite authors to submit original research and review articles that explore how mitochondrial abnormalities contribute to disease development and progression. We welcome submissions focused on cutting-edge mitochondrial-based therapies with potential for clinical translation, as well as approaches that address mitochondrial biogenesis, clearance, and signaling. We hope that our Special Issue will reflect current and novel insights into the role of mitochondria in aging and disease.

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### Guest Editors

Dr. Pankaj Patyal

Donald W. Reynolds Department of Geriatrics and Institute on Aging, University of Arkansas for Medical Sciences, Little Rock, AR 72205, USA

Dr. Gohar Azhar

Donald W. Reynolds Department of Geriatrics and Institute on Aging, University of Arkansas for Medical Sciences, Little Rock, AR 72205, USA

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### Deadline for manuscript submissions

closed (31 August 2025)



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Editorial Office  
MDPI, Grosspeteranlage 5  
4052 Basel, Switzerland  
Tel: +41 61 683 77 34  
[biomedicines@mdpi.com](mailto:biomedicines@mdpi.com)

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## About the Journal

### 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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### 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

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