

Special Issue

Mitochondrial Redox in Cardio-Metabolic Disease and Cardio-Oncology

Message from the Guest Editors

Increased oxidative stress has emerged as a major mediator of pathophysiological processes in many cardiovascular disease states, as well as major cardiovascular risk. Cardio-oncology, a new subspecialty concerned with cardiovascular complications of cancer and cancer therapies, is an emerging and rapidly growing area clinical concern and expanding research direction. Oxidative stress has also been proposed to play an important role in some of the toxicities of anticancer therapies. While cellular oxidases are known sources of reactive oxygen species, mitochondria has now been implicated as a major source of reactive oxygen species. Furthermore, oxidative-stress-mediated mitochondrial dysfunction has emerged as a potential key mechanism behind a number of cardiovascular diseases. It has also been postulated to be the driver of anthracycline-mediated cardiotoxicity and involved in other cancer-therapy-associated cardiovascular toxicities. We invite original research and review articles focusing on role of mitochondrial oxidative stress in the setting of cardiometabolic disease and cardio-oncology.

Guest Editors

Dr. Aaron Sverdlov

Dr. Doan Ngo

Prof. Dr. Gemma Figtree

Deadline for manuscript submissions

closed (10 February 2022)



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Antioxidants
Editorial Office
MDPI, Grosspeteranlage 5
4052 Basel, Switzerland
Tel: +41 61 683 77 34
antioxidants@mdpi.com

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About the Journal

Message from the Editor-in-Chief

It has been recognized in medical sciences that in order to prevent adverse effects of “oxidative stress” a balance exists between prooxidants and antioxidants in living systems. Imbalances are found in a variety of diseases and chronic health situations. Our journal *Antioxidants* serves as an authoritative source of information on current topics of research in the area of oxidative stress and antioxidant defense systems. The future is bright for antioxidant research and since 2012, *Antioxidants* has become a key forum for researchers to bring their findings to the forefront.

Editor-in-Chief

Prof. Dr. Alessandra Napolitano

Department of Chemical Sciences, University of Naples “Federico II”,
Via Cintia 4, I-80126 Naples, Italy

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