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Redox Signaling in Exercise Physiology

Guest Editors:

Dr. Tinna Traustadóttir

Associate Professor, Biological Sciences; Interim Associate Dean for Research, CEFNS, Northern Arizona University, AZ, USA

Dr. David Marcinek

Department of Radiology, University of Washington, Seattle, WA, USA

Deadline for manuscript submissions:

closed (31 December 2022)

Message from the Guest Editors

We now recognize that redox signaling exists on a continuum and can induce both pathological and adaptive responses to cellular stressors. This has led to exciting growth in the field of exercise redox biology, including molecular tools for dissecting redox signaling and conceptual developments. However, there is still much to be learned, for an example regarding the interaction of exercise with other redox-modulating interventions including hypoxia, the role of exercise intensity in the adaptive response, and the mechanisms of redox relays within and between tissues. Finally, a better understanding of how chronic redox stress associated with disease interacts with acute redox stress associated with exercise to modulate the pathological/adaptive responses to tip the scales toward health or disease would be highly beneficial. We invite you to submit your latest research findings or a review article to this Special Issue of Antioxidants, including studies in basic or clinical science.



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Special Issue



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Editor-in-Chief

Prof. Dr. Alessandra Napolitano

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

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.

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Antioxidants Editorial Office
MDPI, Grosspeteranlage 5
4052 Basel, Switzerland

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