Special Issue

Redox Regulation of Cell Signalling

Message from the Guest Editors

Over the last two decades, significant advances have been made in our understanding of the role of redox systems in controlling cell signalling in both physiological and pathological settings. However, much remains to be discovered, including the regulation of oxidant generation in response to physiological stimuli, how the selective oxidation of target proteins occurs, and how redox signalling interfaces with more established signalling paradigms such as phosphorylation/dephosphorylation and ubiquitylation/deubiquitylation. This Special Issue will publish original research papers and reviews on aspects of redox signalling that relate to the physiological production of reactive oxidants, specific post-translational modifications that occur and how these can be monitored, the relationship between redox signalling and other signal transduction pathways, the involvement of redox signalling in disease, and the therapeutic targeting of redox signalling pathways.

Guest Editors

Prof. Dr. Elizabeth C. Ledgerwood

Department of Biochemistry, University of Otago, Dunedin, New Zealand

Prof. Dr. Mark B. Hampton

Centre for Free Radical Research, Department of Pathology and Biomedical Science, University of Otago, Christchurch 8011, New Zealand

Deadline for manuscript submissions

closed (31 January 2020)

Antioxidants

an Open Access Journal by MDPI

Impact Factor 6.6
CiteScore 12.4
Indexed in PubMed

mdpi.com/si/22632

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

mdpi.com/journal/antioxidants

Antioxidants

an Open Access Journal by MDPI

Impact Factor 6.6
CiteScore 12.4
Indexed in PubMed

mdpi.com/journal/antioxidants

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

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, FSTA, PubAg, CAPlus / SciFinder, and other databases.

Journal Rank:

JCR - Q1 (Chemistry, Medicinal) / CiteScore - Q1 (Food Science)