

Special Issue

Free Radical Research in Cancer

Message from the Guest Editor

Cancer is a great challenge to efficient therapy due to biological diversity. Disturbed oxidative homeostasis in cancer cells certainly contributes to differential therapy response. One of the hallmarks of cancer cells is adaptation, which includes fine tuning of the cellular metabolic and signalling pathways, as well as transcription profiles. One of the factors causing rapid adaptation are changes in oxygen levels due to hypoxia/reoxygenation during growth changing antioxidative patterns as a consequence. Finally, these events sum up and create challenges for efficient cancer therapy. The aim of this Special Issue is to present recent findings and to describe the state-of-the-art on the mechanisms by which free radicals contribute to cancer development and change response to therapy. We look forward to receiving many contributions and stimulating a productive discussion on this exciting thematic of role of free radicals in cancer development, progression and treatment.

Guest Editor

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Deadline for manuscript submissions

closed (30 October 2019)



Antioxidants

an Open Access Journal
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Impact Factor 6.6
CiteScore 12.4
Indexed in PubMed



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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

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