Special Issue

Reactive Oxygen Species and Cancer Cell Metabolism

Message from the Guest Editors

The development and progression of cancer are highly affected by the environmental cues fostering metabolic reprogramming for the promotion of cancer growth. Numerous factors, including reactive oxygen species (ROS), are contributing to these processes. Not only are ROS known for their detrimental role, governing genetic mutations that can support eventual cancer development, but they can also lead these transformed cells to apoptosis by activating cellular pathways, thus causing cancer growth arrest.

In this Special Issue, we invite original and review papers exploring the role of ROS, the impact of the metabolic reprogramming, and the cellular antioxidative machinery to the cancer growth. Papers highlighting the importance of ROS, metabolism, and antioxidants in anticancer therapy are also highly appreciated.

Guest Editors

Dr. Lidija Milković

Laboratory for Membrane Transport and Signaling, Division of Molecular Medicine, Ruđer Bošković Institute, HR10000 Zagreb, Croatia

Dr. Ana Čipak Gašparović

Division of Molecular Medicine, Rudjer Boskovic Institute, Bijenicka 54, 10000 Zagreb, Croatia

Deadline for manuscript submissions

closed (31 December 2020)

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

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Message from the Editor-in-Chief

As the world of science becomes ever more specialized, researchers may lose themselves in the deep forest of the ever increasing number of subfields being created. This open access journal Applied Sciences has been started to link these subfields, so researchers can cut through the forest and see the surrounding, or quite distant fields and subfields to help develop his/her own research even further with the aid of this multi-dimensional network.

Editor-in-Chief

Prof. Dr. Giulio Nicola Cerullo
Dipartimento di Fisica, Politecnico di Milano, Piazza L. da Vinci 32, 20133 Milano, Italy

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