Special Issue

Nrf2 Signaling Pathway: Biological Function, Clinical Implications and Therapeutic Agents—2nd Edition

Message from the Guest Editor

Nrf2 is a multifunctional transcription factor that plays a crucial role in the cytoprotective system. Enhancing Nrf2 activity has long been regarded as a promising means by which to treat a set of diseases that appear to be mechanistically linked with oxidative stress. In addition, growing evidence indicates that the overactivation of Nrf2 plays a vital role in tumour occurrence and malignant transformation. In the last decade, an expanding body of research has focused on blocking NRF2 activity in cancer cells, attempting to disturb the redox balance, antagonizing the oncogenic metabolism, and reversing the resistance to treatment. Thus, the properly timed and fine-tuned manipulation of Nrf2 signalling is critical for the development of clinical drugs. Our previous Special Issue, entitled “Nrf2 Signaling Pathway: Biological Function, Clinical Implications and Therapeutic Agents” and published in the 2023 volume of Antioxidants, was a successful compilation of research and review articles. As this is a rapidly evolving topic, we would like to further explore Nrf2 and oxidative stress in human disease with a follow-up Special Issue in 2024.

Guest Editor

Dr. Zhengyu Jiang

Department of Pharmacy, China Pharmaceutical University, Nanjing 211198, China

Deadline for manuscript submissions

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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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