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Transcription Factor Nrf2

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Message from the Guest Editor

Many non-communicable diseases (NCDs) share common pathomechanisms, that might benefit from acting on a common molecular target: the transcription factor NRF2 (nuclear factor (erythroid-derived 2)-like 2). NRF2 regulates the expression of about 250 genes encoding a network of enzymes. Through this transcriptional network, NRF2 coordinates multifaceted responses to diverse forms of stress for maintaining a stable internal environment. This review series will present the current knowledge about the role of NRF2 in the pathophysiology of several NCDs. Considering the impact of NRF2 on the modulation of inflammation, another aspect to be covered is the identification of NRF2 as a novel anti-inflammatory target in infectious diseases, including Covid-19. This Special Issue will gather the current state of the art of preclinical and clinical studies on NRF2 activators and inhibitors.

We invite researchers in the field and the participants of The COST Action CA20121, Bench to Bedside Transition for Pharmacological regulation of NRF2 in non-communicable diseases (BenBedPhar) to submit their latest research findings to this Special Issue.



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Special Issue



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Editor-in-Chief

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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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