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Nrf2 at the Crossroads of Molecular Mechanisms in Health and Disease

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Message from the Guest Editors

Dear Colleagues,

The transcription factor NRF2 has been studied extensively in recent years, and is primarily associated with the regulation of the redox balance in the body. It is a specific cellular transmitter of signals, stimulated by a number of factors related to oxidative stress and inflammation. Recent studies report that the chronic activation of the NRF2 pathway may contribute to the development of reductive stress and intensify the inflammatory process, resulting in disease progression. In order to build a pharmacological therapy based on the activation of NRF2, let us try to explain the consequence of its overexpression in both health and disease. Let us find answers to the questions asking how we might stimulate/induce the NRF2 pathway so as not to lead to the harmful dysregulation of the redox system in the body.

The idea behind this Special Issue is therefore to assemble papers exploring the ups and downs of the NRF2 signaling pathway, both in physiological conditions and in disease.

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Special Issue



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Message from the Editor-in-Chief

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