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Keap1/Nrf2 Signaling Pathway

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Message from the Guest Editor

The Keap1/Nrf2 pathway is activated by various triggers, including exposure to oxidative or electrophilic stresses; proteasome inhibitors; and so-called indirect antioxidants, including sulforaphane, curcumin, resveratrol, and various other natural compounds or synthetic substances. Currently in its third decade, research on Nrf2 has expanded so as to encompass not only basic, but also clinical studies. While the molecular biology, biochemistry, and related aspects of the Keap1/Nrf2 pathway are still very actively being investigated, Nrf2-related research has begun to spread to more clinical areas like cardiology, nephrology, endocrinology, and metabolism. Clinical trials have indeed tested the Nrf2 pathway modulators in the form of purified drugs or as dietary supplements for diverse indications like cancer chemoprevention, detoxification of environmental pollutants, metabolic disease, diabetic nephropathy, relapsing forms of multiple sclerosis, and others. The present Special Issue will celebrate this flourishing field by publishing original research studies or reviews focused on the basic or clinical aspects of the Keap1/Nrf2 pathway.



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Special Issue



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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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