Special Issue

Redox Signaling in Chronic Diseases

Message from the Guest Editor

Redox signaling plays a pivotal role in the pathogenesis and development of many chronic diseases, such as atherosclerosis, diabetes, COPD, reumatologic diseases, and neurodegenerative diseases. Keap1-NRF2 complex, FOXO, HIF, and NFkB signaling pathways represent important mechanisms for mantaining physiological redox homeostasis and regulating a large number of cellular functions, as reported by a large number of studies. For these reasons, a better understanding of redox signaling networks under different physiological and pathological conditions is of critical value for the treatment of chronic oxidative diseases. This Special Issue thus aims to provide an overview of state-of-the-art and future perspectives in redox-related diseases and associated phenomena (cardiovascular diseases, metabolic disorder, cancer, aging, chronic pulmonary diseases, neurodegenerative disorders). Original research articles, reviews and short reports—ranging from basic research to clinical applications, in all aspects of redox modulation in chronic diseases—are welcome.

Guest Editor

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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.

Editor-in-Chief

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