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The OxInflammation Process and Tissue Repair

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Message from the Guest Editors

Excessive ROS production inhibits cell migration and proliferation, affecting the expression and function of anti-inflammatory mediators. This effect enhances the inflammatory process, showing positive feedback among inflammatory and oxidative pathways, known as the OxInflammation process. In this issue, we propose to investigate the direct interaction between the cellular and molecular mechanisms involved in tissue regeneration and maintenance of homeostasis. In addition, we aim to understand the biochemical signals, ligand–receptor interactions and molecular pathways, as well as the activation of alternative pathways that have shown significant relevance in modulating tissue reorganization in preclinical and clinical models. This Special Issue aims to create an interdisciplinary platform involving morphological, physiological, biochemical, molecular, pathological and biotechnological issues to discuss the identification, relevance and updates in the OxInflammation process and tissue repair.

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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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