

Special Issue

The Relationship between Oxidative Damage and Tissue Remodelling/Aberrant Repair during Chronic Inflammation

Message from the Guest Editor

Oxidative stress as a concept was formulated in 1985. Under normal physiological conditions, reactive oxygen species—a byproduct of aerobic metabolism—induces oxidative stress which is critically important for the activation of redox switches essential for normal cellular and tissue homeostasis. However, sustained oxidative stress coupled with an exhausted antioxidant system can lead to irreparable damage to vital host cellular proteins, lipids, and DNA components—a phenomenon coined “oxidative damage”, whereby the accumulative oxidized products alter cell function and can result in cell death.

This Special Issue aims to highlight the role of oxidative stress/damage in modulating the ECM and tissue repair in chronic inflammatory diseases. We welcome systemic reviews and primary research articles that highlight the role of redox systems in tissue repair. For more information, please check out [here](#).

Guest Editor

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Message from the Editor-in-Chief

Methods and Protocols (ISSN 2409-9279) is an open access journal devoted to the publication of new procedural approaches and cutting-edge methodological developments. The ultimate objective of this new forum of scientific communication is to provide researchers with an indispensable tool, enabling better use of the latest scientific technologies. With a broad and totally interdisciplinary focus, *Methods and Protocols* was established with the objective of facilitating cross-fertilization and cross-talk in the scientific arena. Methods and protocols in Life Sciences, Chemistry, Biomedical Sciences, Engineering, and in their intersections such as Biotechnology and Nanotechnology will constitute the core of the journal. However, we anticipate that other fundamental disciplines such as Physics or Geology will be rapidly incorporated.

Editor-in-Chief

Prof. Dr. Fernando Albericio

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