



Oxidative Stress and Hearing Loss

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Message from the Guest Editors

Loss of redox balance leading to the oxidation of molecules essential for cell function and survival is one of the main common mechanisms. Nowadays, the implication of oxidative stress in inner ear damage is well established, however, further research is needed to better understand the exact molecular mechanisms and to prevent redox-mediated forms of hearing loss.

In this Special Issue we want to address these basic aspects from a broad perspective. We will welcome reviews on general redox molecular mechanisms, including those focused on hearing physiopathology, plus original manuscripts focused on understanding how the redox balance is maintained and how the redox balance is lost in the hearing organ, as well as those that address preclinical studies of new molecules aimed at the protection and repair of hearing. We will also welcome complementary manuscripts on related sensory and neural structures, such as the olfactory sensory epithelium and the nervous system.

Deadline for manuscript submissions:

closed (30 May 2023)





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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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