Special Issue

Oxidative Stress in Neurodegeneration and Neuroinflammation

Message from the Guest Editors

Oxidative stress, neurodegeneration and neuroinflammation are interrelated factors in the aetiology of several brain and retinal degenerative disorders. Oxidative stress results from the imbalance between the production and consumption of ROS. This shift in redox homeostasis can initiate the synthesis and release of pro-inflammatory mediators and the infiltration of immune cells that can further potentiate oxidative stress. These cyclical processes, when uncontrolled, contribute to neuronal cell loss and severe tissue damage. We invite you to submit your latest research findings or a review article to this Special Issue, "Oxidative Stress in Neurodegeneration and Neuroinflammation". We aim to gather the latest research about the role of oxidative stress in neurodegeneration and neuroinflammation. We welcome submissions concerning all research models, focusing on all the different nervous system tissues and cell types and using all types of molecular and cellular approaches that contribute to unraveling and clarifying the pathophysiology and the molecular mechanisms related to neurodegenerative disorders. We look forward to your contribution.

Guest Editors

Dr. C. Henrique Alves

Dr. Peter M.J. Quinn

Dr. António Francisco Ambrósio

Deadline for manuscript submissions

closed (31 October 2021)

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Antioxidants
Editorial Office
MDPI, Grosspeteranlage 5
4052 Basel, Switzerland
Tel: +41 61 683 77 34
antioxidants@mdpi.com

mdpi.com/journal/antioxidants

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About the Journal

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

Prof. Dr. Alessandra Napolitano
Department of Chemical Sciences, University of Naples "Federico II", Via Cintia 4, I-80126 Naples, Italy

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