Special Issue

Oxidative and Nitrosative Stress in Astrocytes

Message from the Guest Editor

The field of astrocyte biology has rapidly grown in response to our understanding of these unique cells and their contributions to brain physiology and pathology. It is now well recognised that astrocytes contribute to neurotransmission, blood flow and metabolic supply. Evidence also indicates that dysfunctional astrocytes play a role in pathological processes. There is a clear relationship between oxidative/nitrosative stress and complex neurological disorders, what is less clear is the active role that astrocytes playing in initiating this or indeed preventing it. The purpose of this Special Issue is to bring together our current understanding of the impact of oxidative and nitrative stress on astrocyte function. These are common hallmarks of neurological disorders and can have wide ranging effects on astrocyte biology from metabolism to fluid homeostasis. This Special Issue invites original research and review articles on the subject of oxidative and nitrosative stress in astrocytes.

Guest Editor

Dr. Mark Dallas
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Deadline for manuscript submissions

closed (31 December 2019)

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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.

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