



Redox Stress in Respiratory Muscles: Towards Antioxidant Therapy for Respiratory Disease

Guest Editor:

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Message from the Guest Editor

Dear Colleagues,

Respiratory muscles are critical to life. Like other striated muscles, they retain a capacity for plasticity in health and disease. Reactive oxygen species have emerged as key regulators of skeletal muscle function, and redox stress as a centrepiece in respiratory muscle dysfunction in a range of respiratory-related disorders and diseases. Significant advances have been made in understanding redox-dependent signalling and injury in respiratory muscle. A body of evidence is emerging, revealing the capacity for antioxidant strategies to combat respiratory muscle oxidative stress with implications for therapeutic strategies in human disease.

This Special Issue will publish original research papers and review articles on a range of topics related to redox signalling and stress in respiratory muscles.

Prof. Ken O'Halloran

Guest Editor





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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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