Special Issue

Peroxiredoxin 6 as a Unique Member of the Peroxiredoxin Family

Message from the Guest Editor

Peroxiredoxin 6 is truly a unique member of the peroxiredoxin family and has been demonstrated to play specific and important roles in normal physiology. Well documented roles include: anti-oxidant defense and the repair of peroxidized cell membranes, the turnover of lung surfactant phospholipids and cellular signaling. Although less well documented,Peroxiredoxin 6 has been postulated to be important in the pathophysiology of acute lung injury and inflammation, cancer and carcinogenesis, various chronic diseases of the CNS, cataracts and retinal disease, type 2 diabetes, and male infertility, among others. Thus, there is important depth and breadth to the study of Prdx6. While Peroxiredoxin 6 has been included in published forums dealing with peroxiredoxins in general, there has not been ,to date, a Forum dealing specifically with this protein. I believe that the time is ripe. This Special Issue welcomes submission of reviews or original research addressing any aspect of Peroxiredoxin 6 structure/function relationships and the physiological/pathophysiological roles of its unique enzymatic activities.

Guest Editor

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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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