Special Issue

Peroxiredoxin

Message from the Guest Editor

In 1987, Kim and colleagues identified the first peroxiredoxin (Prx) protein, a thiol-specific antioxidant, in yeast [1, 2]. Since then, researchers have identified six isoforms of Prx in mammalian cells alone. Prxs are key molecules in intracellular ROS homeostasis that play important biological roles in various cellular processes including cell growth, differentiation, apoptosis, the immune response, and metabolism. In addition, Prxs have been found to play roles in a variety of post-translational modifications such as phosphorylation, ubiquitination, and glutathionylation. The goal of this Special Issue is to bring together current views, new insights, and cutting-edge research on the biological roles of Prxs. These include Prxs sourced from all species, from prokaryotes to eukaryotes, including those found in *E. coli*, plants, yeasts, and animals. We look forward to your valuable contribution.

Guest Editor

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Deadline for manuscript submissions

closed (30 November 2022)

Antioxidants

an Open Access Journal by MDPI

Impact Factor 6.6
CiteScore 12.4
Indexed in PubMed

mdpi.com/si/33263

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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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