

Special Issue

Redox Signaling and Oxidative Stress in Bone Health and Disease

Message from the Guest Editor

There is growing evidence that reactive oxygen species (ROS) play an important role in physiological intracellular signalling by triggering proliferation and survival in many different types of cells, including osteoclasts, osteoblasts, osteocytes, and chondrocytes.

Mitochondrial oxidative phosphorylation produces ROS as by-products, which can be important signaling molecules but damage cells and contribute to disease and aging when they become excessive. We invite researchers to submit original research and review articles covering significant developments in the mitochondrial function and oxidative stress of bone cells, as well as novel medicines or strategies that hold promise in the prevention and/or treatment of skeletal diseases. In particular, we welcome research covering novel molecular mechanism, new tools on bone research, or any animal studies with clinical relevance.

Guest Editor

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Deadline for manuscript submissions

closed (30 November 2020)



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