

Special Issue

Ferroptosis and Cuproptosis: Mechanism and Crosstalk in Cancer, Neurodegeneration, and Metabolic Syndrome

Message from the Guest Editor

This special issue explores the emerging concepts of ferroptosis and cuproptosis, two distinct forms of regulated cell death, and their roles in cancer, neurodegeneration, and metabolic syndrome. The scope of the special issue spans the mechanisms underlying ferroptosis and cuproptosis, their interconnection, and their crosstalk in various diseases. Topics covered include but are not limited to, Alzheimer's disease, psychiatric disorders, and colorectal cancer, highlighting how these forms of cell death contribute to disease progression and potential therapeutic strategies. By examining the interplay of iron and copper metabolism in disease pathogenesis, this special issue provides a comprehensive view of how ferroptosis and cuproptosis impact cellular function and contribute to various pathological conditions, opening new avenues for targeted treatment. Suitable topics include, but are not limited to: Alzheimer's disease, psychiatric disorders, and colorectal cancer.

Guest Editor

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The International Journal of Molecular Sciences (*IJMS*, ISSN 1422-0067) is an open access journal, which was established in 2000. The journal aims to provide a forum for scholarly research on a range of topics, including biochemistry, molecular and cell biology, molecular biophysics, molecular medicine, and all aspects of molecular research in chemistry. *IJMS* publishes both original research and review articles, and regularly publishes special issues to highlight advances at the cutting edge of research. We invite you to read recent articles published in *IJMS* and consider publishing your next paper with us.

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