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Emerging Trends in Metal Biochemistry

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Message from the Guest Editor

Dear Colleagues,

Stereotypically, “biochemistry” is associated with the properties and roles of proteins, nucleic acids, carbohydrates, lipids and the thousands of chemical reactions that occur within the chemical engine that keeps cells alive. As life sciences advance, new and sometimes unexpected roles of metals are discovered at an accelerating pace, slowly but surely moving a spotlight onto this exciting field within biochemistry.

Through a mix of review and original articles, the scope of this Special Issue is to highlight recent and emerging trends in the biochemistry of five pivotal metals: calcium, copper, iron, manganese, and zinc. The goal is to share passion for metals by providing an integrated view that spans from cell to systems biology, from biophysics to pharmacology, pathology and clinical applications, showcasing how study of metal biochemistry will make increasingly important contributions to our understanding of life’s mysteries.

Prof. Dr. Vinzenz M. Unger
Guest Editor



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Special Issue



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Cells has become a solid international scientific journal that is now indexed on SCIE and in other databases. We have successfully introduced a special issues format so that these issues serve as mini-forums in specific areas of cell science. *Cells* encourages researchers to suggest new special issues, serve as special issues editors, and volunteer to be reviewers. Our main focus will remain on cell anatomy and physiology, the structure and function of organelles, cell adhesion and motility, and the regulation of intracellular signaling, growth, differentiation, and aging. We are open to both original research papers and reviews.

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