



Homeostasis: Metals and Cellular Redox and Immunity Status

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Message from the Guest Editors

Dear Colleagues,

Trace elements, particularly transition metals such as Fe, Ni, Cu, Co, Mn, and Zn, are essential inorganic factors for the reliable function of biochemical processes in life. This Special Issue aims to cover the homeostasis of transition metals and the molecular mechanisms of interfered homeostasis during the pathogenesis of severe diseases such as cancer, neurodegeneration (PD, AD, etc.), as well as with respect to shifts in immunity regulation. The localization of these elements in cellular compartments under pathologic conditions is welcome, too, as well as novel single-cell ICP-MS investigations. In this context, submissions from all groups working at the interface of bioinorganic chemistry, cell biology, and cell development using different biological models are welcome.

Keywords:

Trace elements; Transition Metals, Bioinorganic Chemistry, Environmental Medicine; Neurotoxicology; Cellular Redox Status Oxidative Stress, Cell Function, Homeostasis, Disease Immunity





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Message from the Editor-in-Chief

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