Special Issue

Homeostasis: Metals and Cellular Redox and Immunity Status

Message from the Guest Editors

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

Guest Editors

Prof. Dr. Bernhard Michalke

Research Unit Analytical BioGeoChemistry, Helmholtz Center Munich-German Research Center for Environmental Health, 85764 Neuherberg, Germany

Dr. Vivek Venkataramani

 Department of Medicine II, Hematology/Oncology, University Hospital, Frankfurt, 60590 Frankfurt am Main, Germany
Institute of Pathology, University Medical Center Göttingen (UMG), 37075 Göttingen, Germany

Deadline for manuscript submissions

closed (30 September 2022)



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International Journal of Molecular Sciences Editorial Office MDPI, Grosspeteranlage 5 4052 Basel, Switzerland Tel: +41 61 683 77 34 ijms@mdpi.com

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Message from the Editor-in-Chief

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.

Editor-in-Chief

Prof. Dr. Maurizio Battino

Department of Odontostomatologic and Specialized Clinical Sciences, Sez-Biochimica, Faculty of Medicine, Università Politecnica delle Marche, Via Ranieri 65, 60100 Ancona, Italy

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