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Metal Based Drugs: Opportunities and Challenges

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Message from the Guest Editors

Dear Colleagues,

Metal-based drugs are used for a wide range of human diseases, beyond their well-known applications in cancer (cisplatin) or rheumatoid arthritis (auranofin).

The development of drugs based on coordination compounds, *i.e.*, metal complexes, offers the possibility of great structural versatility, compared to purely organic molecules, as they are generated from the combination of different metal ion(s) with distinct ligand(s). The binding of the ligand to the metal ion gives rise to drastic changes in the biological properties of both the organic (ligand) and the inorganic (metal) part. Metal complexes may exert their therapeutic effect through the interaction with cellular organelles, inhibition of enzymes, alteration of the cell membrane, enhanced lipophilicity, cell–cycle arrest, *etc.*

This Special Issue is aimed at providing a forum for the dissemination of information on the most recent and relevant research in this topical and exciting area of current investigation.

Prof. Dr. Patrick Gamez Dr. Ana Belén Caballero *Guest Editors*













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Message from the Editor-in-Chief

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