

Special Issue

Unconventional Anticancer Metallo-drugs and Strategies to Improve their Pharmacological Profile

Message from the Guest Editor

For the past forty years, metal-based drugs have been widely used for the treatment of cancer. Cisplatin and follow-up drugs carboplatin and oxaliplatin have been the gold standard for metallo-drugs in clinical settings as antineoplastic agents. While effective, these drugs have faced a number of clinical challenges resulting from their limited spectrum of activity, high toxicity leading to significant side effects, resistance, poor water solubility, low bioavailability and short circulating time. In parallel to the synthesis of coordination and organometallic compounds comprising many different metals and unconventional platinum-based derivatives, researchers are focused in optimizing mechanistic and pharmacological features of promising drug candidates. This Special Issue aims to highlight the latest advances in anticancer metallo-drugs with a focus on unconventional anticancer agents, as well as novel activation, targeting and delivery strategies aimed at improving their pharmacological profile.

Guest Editor

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Inorganic chemistry remains a lynchpin of modern chemistry, not only embracing the function and reactivity of combinations of most elements of the periodic table, but also providing a footing for studies of materials, catalysts, drugs, fuels and industrial chemicals. Arguably, the role and reach of inorganics in society have never been as great as today. Adventurous research at the heart and at the extremes of inorganic chemistry is vital to further advances and Inorganics offers authors the opportunity to publish exciting new research in an open access format.

Editor-in-Chief

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