



## Metal-Based Anticancer Drugs

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### Message from the Guest Editors

Dear Colleagues,

The use of metal complexes as anticancer agents revolutionized cancer treatment more than fifty years ago with the discovery of cisplatin, *cis*-[PtCl<sub>2</sub>(NH<sub>3</sub>)<sub>2</sub>]. Further research led to clinical use of other platinum drugs, namely, carboplatin and oxaliplatin. The main deficiencies of the platinum-based drugs are their severe side effects and drug resistance. New metal-based anticancer drugs including essential and nonessential metals that have a different mode of action might be able to broaden the spectrum of treatable cancers, reduce toxic side effects, and overcome platinum resistance. The concept of selective targeting of cancer cells remains a challenge. Many new approaches to the design of innovative metal-based anticancer drugs are currently emerging. These include prodrugs, dual or multi-action prodrugs, etc. To enhance the efficacy of new metal-based drugs, prodrug and targeting strategies, as well as suitable drug delivery approaches, are being developed (design and synthesis of new ligands, nanocarriers, etc.). This Special Issue aims to highlight the progress in the field of development of new metal-based anticancer drugs.

*Guest Editors*





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## Message from the Editor-in-Chief

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