

Special Issue

Metallo drugs in Cancer Therapy: The Newest Candidates in the Field, 2nd Edition

Message from the Guest Editors

Metal ions play key roles in a myriad of biological processes known to be essential to life. Living organisms have developed mechanisms to maintain cellular levels of metal ions, which are tightly regulated; excess or deficiency in these ions result in disease, including cancer disorders. The use of metals and their compounds as medicines has been known since ancient times, even though insight into their modes of action was merely empiric, and the distinction between a therapeutic or toxic dose was a major challenge. This Special Issue is intended to collect recent research/discoveries in the field of cancer prospective metallopharmaceuticals. This is an area in constant evolution, and we welcome submissions on subjects including, but not limited to: Synthetic methods/characterization and biological activity of novel metal-based compounds; Structure–activity studies; Drug delivery for metal-based compounds; Metal complexes overcoming MDR (metallo drug resistance to treatment); Mode of action, uptake, cell targets and (cyto)toxicity; Metal complexes as theranostics; Biospeciation of metal ions and anti-cancer metal-based compounds.

Guest Editors

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Deadline for manuscript submissions

closed (20 November 2024)



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