



Metal Complex Interactions with DNA

Guest Editor:

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Message from the Guest Editor

Dear Colleagues,

Metal–DNA interactions has been a central topic since the early days of Bioinorganic Chemistry in the second half of the last century. With the discovery of platinum anticancer drugs, DNA has become the obvious target in the design of anticancer metallodrugs. The nucleobases, sugar residues and phosphate groups provide a plethora of donor sites to which metal complexes can bind. Covalent or non-covalent binding of catalytically-active transition metal complexes to a DNA scaffold has generated highly-sophisticated artificial enzymes for asymmetric catalysis. Metalated or M-DNA shows great promise for applications in nanodevices. This Special Issue aims to highlight metal complex–DNA interactions as a major and flourishing theme in Bioinorganic Chemistry and we invite contributions on all aspects of the topic, from fundamental research to the exciting applications in biomedical science, nanotechnology and catalysis.

Dr. Andrea Erxleben





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Message from the Editor-in-Chief

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