

Special Issue

Metal Complex Interactions with DNA

Message from the Guest Editor

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.

Guest Editor

Dr. Andrea Erxleben

The SFI Research Centre for Pharmaceuticals, Bernal Institute,
University of Limerick, Limerick, Ireland

Deadline for manuscript submissions

closed (15 May 2018)



Inorganics

an Open Access Journal
by MDPI

Impact Factor 3.0
CiteScore 4.1



mdpi.com/si/11632

Inorganics
Editorial Office
MDPI, Grosspeteranlage 5
4052 Basel, Switzerland
Tel: +41 61 683 77 34
inorganics@mdpi.com

[mdpi.com/journal/
inorganics](https://mdpi.com/journal/inorganics)





Inorganics

an Open Access Journal
by MDPI

Impact Factor 3.0
CiteScore 4.1



[mdpi.com/journal/
inorganics](https://mdpi.com/journal/inorganics)



About the Journal

Message from the Editor-in-Chief

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

Prof. Dr. Duncan H. Gregory

School of Chemistry, University of Glasgow, University Avenue, Glasgow G12 8QQ, UK

Author Benefits

High Visibility:

indexed within Scopus, SCIE (Web of Science), CAPlus / SciFinder, and other databases.

Journal Rank:

JCR - Q2 (Chemistry, Inorganic and Nuclear) / CiteScore - Q2 (Inorganic Chemistry)

Rapid Publication:

manuscripts are peer-reviewed and a first decision is provided to authors approximately 14.9 days after submission; acceptance to publication is undertaken in 2.8 days (median values for papers published in this journal in the second half of 2025).