

Special Issue

Bio-Nano Interactions

Message from the Guest Editor

I would like to invite you to submit a high-quality research paper for the Special Issue titled “Bio-Nano Interactions” of the International Journal of Molecular Sciences. The story of materials from living (biotic) organisms is intensely intertwined with the one of inanimate (abiotic) materials, which might have played a crucial role in the chemical evolution in the prebiotic era and, therefore, in the origin of life. Nanoparticles and proteins are entities of the same size range and the understanding and the prediction of the interactions between proteins and nanoparticles represents the Holy Grail in nanoscience. Indeed, the crucial challenge is to endow nanoparticles of protein-like specificity with the ability to enable the abiotic material to specifically interact with all components of biological systems such as peptides, proteins, lipids, DNA, receptors, cells and whole organisms, including humans or animals.

The Special Issue “Bio-Nano Interactions” encourages the publication of papers which expand the existing perspectives on smart synthetic nanomaterials and on their interplay with biological interfaces.

Guest Editor

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Deadline for manuscript submissions

closed (31 January 2022)



International Journal of Molecular Sciences

an Open Access Journal
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Impact Factor 4.9
CiteScore 9.0
Indexed in PubMed



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*International Journal of
Molecular Sciences*
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About the Journal

Message from the Editor-in-Chief

The International Journal of Molecular Sciences (*IJMS*, ISSN 1422-0067) is an open access journal, which was established in 2000. The journal aims to provide a forum for scholarly research on a range of topics, including biochemistry, molecular and cell biology, molecular biophysics, molecular medicine, and all aspects of molecular research in chemistry. *IJMS* publishes both original research and review articles, and regularly publishes special issues to highlight advances at the cutting edge of research. We invite you to read recent articles published in *IJMS* and consider publishing your next paper with us.

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