

Special Issue

Interactions Between Nanoparticles and Biomolecules

Message from the Guest Editor

Recently, nanoparticles have been attracting attention from various fields, such as biomedical, pharmaceutical, chemical, and environmental engineering. For biomedical and pharmaceutical areas, the designed nanoparticles are often referred to as nanomedicines. Widely reported nanomedicines include liposomes, solid lipid nanoparticles, nanomicelles, nanocrystals and metal-organic frameworks. It has been highlighted that these nanomedicines have opened up new avenues for major diseases therapy.

However, compared to the burst of number of relevant publications, the actual clinical translation of nanomedicines is somehow limited. We argue that the limited understanding of the interaction between nanoparticles and biomolecules is one of the major hurdles for clinical translation.

In this Special Issue, we welcome contributions worldwide to address the above issues of designed or non-designed interaction between nanoparticle and biomolecules, so as to boost the gathering of knowledge. Emphases will be put on nanoparticles for biomedical and pharmaceutical uses.

We are looking forward to receiving your exciting work!

Guest Editor

Dr. Zhengwei Huang
College of Pharmacy, Jinan University, Guangzhou, China

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MDPI, Grosspeteranlage 5
4052 Basel, Switzerland
Tel: +41 61 683 77 34
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Prof. Dr. José L. Quiles
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Avda. Conocimiento s/n, 18100 Armilla, Granada, Spain

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