



Nanomaterial-Based Contrast Agents for Biomedical Imaging

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Message from the Guest Editors

Dear Colleagues,

Precision imaging is critical for the theranostics of diseases, as it provides insightful guidance for medical personnel to define pathological processes and manage diseases. Nowadays, nanomaterials have emerged as promising alternatives to conventional contrast agents for biomedical imaging since they offer high-fidelity imaging due to an improved delivery efficiency and accumulation in the diseased tissues. With the assistance of advanced imaging techniques, these nanomaterials could provide diverse imaging modalities, such as fluorescence imaging, photoacoustic imaging, magnetic resonance imaging, micro-CT imaging, X-ray imaging, etc. The theranostic performance of nanomaterials could be improved through the delicate tuning of the target ability, responsive release behavior, quantum yield, etc. Therefore, nanomaterials hold great promise for precision theranostics of diseases.

This Special Issue aims to highlight the recent advances in the development of nanomaterials for contrast agents and biomedical imaging. Original research papers and reviews papers are all welcome.





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Message from the Editor-in-Chief

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