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Innovation of Nanotheranostics for Precise Diagnostics and Therapeutics of Diseases

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Message from the Guest Editor

Dear Colleagues,

Nowadays, the development of nanotheranostics, which integrates diagnostics and therapeutics into a single nanoplatform, has been expedited in many preclinical and clinical scenarios. Nanotheranostics development depends on the innovation of nanomaterials and corresponding formulation technology. In this Special Issue, we aim to focus on the state-of-the-art nanomaterials for diagnostics and therapeutics for different life-threatening diseases. In addition, we plan to present nanotechnologies for the fabrication of theranostic medicine, which include microfluidics, nanoprecipitation, emulsion and solvent-evaporation, surface modification, exosome production, and biomimetic cellular membrane coating. Potential topics include, but are not limited to: biomimetic nanomedicines, image-guided drug delivery, theranostic nanomedicines for the treatment of bacterial infections, nanomaterials for synergistic imaging and therapy, nanotechnologies for theranostic nanomedicine production, nanomaterials for multimodal imaging, and nanomaterials for combinatory therapeutics and targeted therapy.

Dr. Bing Guo
Guest Editor



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Special Issue



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Message from the Editor-in-Chief

Nanoscience and nanotechnology are exciting fields of research and development, with wide applications to electronic, optical, and magnetic devices, biology, medicine, energy, and defense. At the heart of these fields are the synthesis, characterization, modeling, and applications of new materials with lower nanometer-scale dimensions, which we call “nanomaterials”. These materials can exhibit unusual mesoscopic properties and include nanoparticles, coatings and thin films, metal-organic frameworks, membranes, nano-alloys, quantum dots, self-assemblies, 2D materials such as graphene, and nanotubes. Our journal, *Nanomaterials*, has the goal of publishing the highest quality papers on all aspects of nanomaterial science to an interdisciplinary scientific audience. All of our articles are published with rigorous refereeing and open access.

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