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Nanomaterials for Imaging, Diagnosis or Therapy

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Message from the Guest Editors

Dear Colleagues,

The utilization of nanomaterials for biomedical applications has been an important area of academic and commercial researches. There are numerous strategies, by which the integration of nanomaterials can improve therapeutic and/or diagnostic/imaging performance. In addition, further understanding of interactions among biological molecules, immune system, and nanomaterials is critical for future medicine. This special issue covers a broad range of topics, including, but not limited to:

1. Nanomaterial synthesis and characterization for biomedical applications
2. Nanomaterials for drug delivery, bioanalysis, bioimaging, regenerative medicine, and cancer theranostics
3. Hybrid materials or nanocomposites for drug implant
4. Drug conjugation or immobilization technologies
5. Novel bioimaging technologies for diagnosis
6. In vivo monitoring of nanocarriers and drug release/accumulation profile
7. Effects of nanomaterial properties on biodistribution and therapeutic efficacy
8. Nanochips and nanofluidics for diagnosis or disease screening

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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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