Special Issue

Nanoparticles for Imaging and Drug Delivery

Message from the Guest Editor

Nanoparticles may significantly impact the development of therapeutic and diagnostic agents that target various diseases. While many nanoparticle formulations are newly developed or remain in the pre-clinical testing stage, a few nanoformulations have demonstrated clinical relevance through their capacity to increase drug efficacy and disease-specific accumulation, decrease drug toxicity, and improve contrast for disease-specific diagnosis or monitoring. Nanoparticles are well-suited to the role of drug-delivery vehicles or contrast agents due to their potential for surface functionalization or modification and active targeting moieties, capacity for stimuli-responsive delivery drugs or contrast agents, and generally longer circulation times. The Special Issue will cover recent advancements in nanoparticle design, drug-delivery, and imaging applications, characterization, toxicity, and the potential role of nanoparticles as disease-specific or multi-modal contrast agents.

Guest Editor

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Message from the Editor-in-Chief

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