



Molecular Advances in Nanomedicine

Guest Editor:

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Message from the Guest Editor

Dear Colleagues,

The continuous development of smart nanomaterials and nanotechnology in recent decades enabled significant progress in the use of biocompatible multifunctional nanoparticles (NPs) in advanced drug delivery, imaging, and biosensing for the treatment of various illnesses, including cancer, diabetes, neurodegenerative and infectious diseases. This Special Issue will focus on the recent and most promising approaches to the fabrication of advanced nanomedicines. Suitable topics include, but are not limited to: smart, stimuli-responsive nanomaterials for advanced drug delivery and theranostics; bioinspired chemistry and peptidomimetic approaches to nanomedicine; mechanisms of action of nanoparticles in the treatment of various diseases, including cancer, wound healing, CNS disorders, infections, and others; versatile nanoparticles for multimodal theranostic platforms; nanomedicine and nanotoxicity; sustainable multidisciplinary strategies for nanoparticle synthesis, characterization, and their applications with regard to nanomedicine.

Dr. Cristina Satriano
Guest Editor





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