

Special Issue

The 20th Anniversary of *Pharmaceuticals*—Photonics in Drug Delivery

Message from the Guest Editors

A wide variety of nanoparticles (NPs) with regard to composition, size, shape and reactive functional groups/surface charge are nowadays developed and tested for a variety of potential applications including—but not limited to—biomedical applications such as drug delivery, biological imaging, tissue engineering, antimicrobials/antivirals/antifungals and biosensors. In most cases up to now, relevant studies are only limited to the effect of NPs on cellular uptake and cytotoxicity, but it is increasingly realized that future studies must focus on studying the effect of NPs on cellular functions, including, for instance, cell stress, cell mechanics, subcellular internalization, and the cellular fate of NPs. In addition, further knowledge must be acquired on the ability of localized NPs either intracellularly or in the extracellular milieu to impair cell-cell adhesion, cell-matrix adhesion and cell migration. During the past few years, investigations of this kind have been carried out and it is the aim of this Special Issue to encourage and support such efforts by providing a forum for the exchange of scientific results and ideas.

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Deadline for manuscript submissions

closed (25 October 2024)



Pharmaceuticals

an Open Access Journal
by MDPI

Impact Factor 4.8
CiteScore 7.7
Indexed in PubMed



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Editor-in-Chief

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