



Lipid-Based Nanocarriers in Drug Delivery and Theranostic Applications

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Deadline for manuscript submissions:

25 July 2024

Message from the Guest Editors

Lipid-based nanocarriers are a wide group of pharmaceutical systems by which drug delivery through various administration routes is being constantly exploited. The attention of researchers and companies towards these kinds of carriers is mainly linked to their composition, based on natural or synthetic highly biocompatible and non-toxic lipid ingredients, with the consequent benefits in terms of regulatory issues, to the easily scalable production methods, and to the possibility of modulating their stability and distribution to specific sites in the body through the bio-chemical modification of surface. LNs can be functionalized with different targeting moieties and possess the potential to cross different physiological barriers, hence improving pharmacokinetics.

This Special Issue aims to update the latest research on lipid-based formulations of therapeutics, including but not limiting to solid lipid nanoparticles, nanostructured lipid carriers, drug-lipid conjugates, hybrid nanoparticles, liposomes, and nanoemulsions, both from a technological point of view as well as at preclinical and clinical levels. Original experimental works and review manuscripts are welcome.





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