

Special Issue

Functional Nanohybrids for Drug Delivery

Message from the Guest Editors

Nanomaterial-based drug delivery systems have been seen as a publicly-known strategy to improve therapeutic efficacy in cancer therapies. However, dense extracellular matrix and interstitial fluid pressure in the tumor suppress deep delivery and lead to inhomogeneous treatments. Not only able to accumulate at highly permeable peripheral blood vessels via enhanced permeability and retention effects, nanohybrids should also be concerned with different functions to enhance drug delivery. Stimuli-response and functions of nanohybrids are two impressive manipulations. In addition, targeting moiety for specific diseases also shelters the mononuclear phagocyte system and promotes drug delivery. Therefore, blood circulation obstacles, tumor accumulation, and penetrated delivery should be comprehensively considered, thus multifunctional nanohybrids will be the ideal platforms for enhanced drug delivery. The development of new nanohybrids is an important step of drug delivery systems.

This Special Issue aims of highlighting current progress in multifunctional nanohybrids for enhanced drug delivery.

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