

Special Issue

Stimuli-Responsive Nanomedicine for the Effective and Controlled Delivery of Drug Molecules to the Tumor Microenvironment

Message from the Guest Editor

Novel technologies are emerging for the externally controlled release and engineering of nanomedicines. In particular, technologies to quickly activate nanobiomaterials and effectively control the release of drugs are critical. Therefore, high-throughput screening and analyses of drug delivery by nanocarriers as well as their control in the tumor microenvironment by the external use of electromagnetic, thermal, and optical stimuli have become increasingly relevant. At the same time, new tools and instruments exciting target biomolecules in body tissues are also being developed. The achievement of these goals requires a detailed study of nanobiomaterials and the development of external stimuli-responsive drug delivery and controlled-release systems, as well as of assays for determining the function, properties, fate of the targeted cells.

Guest Editor

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