

Special Issue

Smart Materials for Targeted Drug Delivery and Cancer Therapy

Message from the Guest Editors

Smart materials have been developed for many applications, from sensing and energy harvesting to drug delivery. With the advent of new materials and technologies, smart materials have become increasingly important for biomedical applications, such as drug delivery and cancer therapy. Smart nanomaterials can not only release drugs specifically in response to the tumor microenvironment, but also precisely regulate the drug release rate through exogenous stimulus to achieve long-acting circulation in vivo, tumor site enrichment effect and controlled release. The aim of this Special Issue is to focus on the design and fabrication of smart materials for targeted drug delivery and cancer therapy. The topics of interest include, but are not limited to, the development of biocompatible, biodegradable and smart materials for drug delivery, smart drug delivery systems and strategies for designing smart materials for cancer therapy. The Special Issue will also highlight the challenges and opportunities of smart materials for targeted drug delivery and cancer therapy. We are pleased to invite you to contribute your original research or review articles on the above areas.

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