

Special Issue

Recent Applications of Programmable Nanobiomaterials in Cancer Targeting and Therapy

Message from the Guest Editor

With the rapid advancement of nanotechnology, the development of multifunctional nanobiomaterials (NBMs) has led to innovative strategies and improvements in tumor therapy, particularly in achieving precise control over the therapeutic process to achieve higher therapeutic efficacy while minimizing side effects. Given the heterogeneous nature of the tumor microenvironment, NBMs require careful regulation of treatment in terms of timing, location, and dosage to deliver the appropriate dose of drugs at the optimal time and site in response to endogenous or exogenous stimuli, facilitating accurate tumor clearance. Driven by this demand, programmable nanobiomaterials (PNBMs) have emerged. PNBMs can achieve precise control over the behavior of materials in organisms through precise programming of components, structures, and functions, and better meet the needs of precision medicine and personalized medicine. We invite experts interested in this thematic issue to submit original manuscripts and reviews on any of the above-mentioned topics.

Guest Editor

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