

Special Issue

Smart Nanocarriers for Drug Delivery in Cancer Therapy

Message from the Guest Editors

Cancer is one of the top causes of death worldwide. Despite the advances in the diagnosis and treatment of this disease, its incidence is worryingly increasing, particularly in the lung, breast, colorectal, prostate, and stomach. As is the case with most solid tumors, one of the most challenging problems in cancer therapy is associated with the severe secondary toxicity of chemotherapeutic drugs. For this reason, there is an urgent need to reproducibly develop effective targeted nanocarriers that are capable of preventing drug adsorption and degradation in the upper gastrointestinal tract and thus capable of transporting chemotherapeutic drugs in different parts of the body. This Special Issue aims to collect recent trends in the field of the therapy of cancer related to the use of nanocarriers capable of promoting active targets in the tumor microenvironment. Thus, we invite articles which focus on the development, characterization and validation of liposomes, nanoparticles, nanohydrogels, and nanocomposites conjugated with selective targeting molecules and/or stimuli-responsive molecules, designed to improve the main handicaps of traditional chemotherapy.

Guest Editors

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Deadline for manuscript submissions

closed (10 November 2024)



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