Special Issue

Non-viral Vectors for Cancer Therapy

Message from the Guest Editors

Cancer has many facets, and these are tackled by various methods including chemotherapy, radiotherapy, surgery, and immunotherapy. Cancer gene therapy refers to the transfer of nucleic acids into cancer cells and the surrounding tissue to cause cell death or slow the cancer growth. In this context, non-viral vectors show good results due to their low cost, safety, and availability. This Special Issue will focus on the recent developments regarding the use of various types of non-viral vectors for cancer and cancer gene management. Plasmid, messenger RNA, oligonucleotides, and RNA interference approaches are of great interest to be introduced into various vehicles such as polysaccharides, proteins, synthetic polymers, and lipids.

Topics of interest for this Special Issue include, but are not limited to: non-viral vectors based on polymers, proteins, polysaccharides, liposomes, lipid nanoparticles, dendrimers, lipoplexes, polyplexes. It is our pleasure to invite you to submit a manuscript for this Special Issue. Full papers and reviews are all welcome.

Guest Editors

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Materials (ISSN 1996-1944) was launched in 2008. The journal covers twenty-five comprehensive topics: biomaterials, energy materials, advanced composites, advanced materials characterization, porous materials, manufacturing processes and systems, advanced nanomaterials and nanotechnology, smart materials, thin films and interfaces, catalytic materials, carbon materials, materials chemistry, materials physics, optics and photonics, corrosion, construction and building materials, materials simulation and design, electronic materials, advanced and functional ceramics and glasses, metals and alloys, soft matter, polymeric materials, quantum materials, mechanics of materials, green materials, general. *Materials* provides a unique opportunity to contribute high quality articles and to take advantage of its large readership.

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