

Special Issue

Nanoparticle-Based Drug Delivery Systems for Immunomodulation

Message from the Guest Editors

The proposed Special Issue seeks to elaborate on the immunological properties of nanomaterials, both in the presence and absence of immunomodulating cargos. Within the context of the former, the potentials of nanocarriers for targeted drug delivery in autoimmune and immune-mediated disorders, along with their ability to target various components of the immune system for immunotherapeutic purposes and the treatment of immune-related viral diseases (e.g. AIDS) will be debated. In the case of the latter, a discussion of the nanoparticle interaction with the immune system in the absence of any drug load, and the potential hazards and therapeutic benefits associated therewith will be presented. This Special Issue will provide a comprehensive overview of nanoparticles' ability to modulate the immune response, and their potentials to target the immune-related conditions for drug delivery. It will explore the potential immunotoxicological hazards of such interactions, and debate how these can be exploited for therapeutic purposes.

Guest Editors

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