

Special Issue

Nanoparticles to Improve the Efficacy of Vaccines

Message from the Guest Editors

Vaccination is a process of introducing (foreign) antigenic material(s) to activate a host immune system to develop inflammatory responses followed by adaptive immunity against a pathogen or cancer. In the last decade, advancements in material science have opened up a new era of innovative strategies for vaccine design, materials science has been widely adopted for vaccine development for strong humoral and cellular immune responses. In this Special Issue, we would like to bring the reader's attention to advanced platforms and technologies for vaccination using nanomaterials to achieve the best outcomes in terms of the efficacy of vaccinations and immunological memory. Keywords: Vaccine; Nanoparticle; Nanotechnology; Adjuvant; Nanovaccinology; Polymeric vaccine; Immune cell targeting; Peptide vaccine; DNA vaccine

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