

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

Guest Editors

Prof. Dr. Chong-Su Cho

Department of Agricultural Biotechnology, College of Agriculture and Life Sciences, Seoul National University, 1 Gwanangno, Gwanak-gu, Seoul 08826, Korea

Prof. Dr. Cheol-Heui Yun

Department of Agricultural Biotechnology, College of Agriculture and Life Sciences, Seoul National University, Seoul 08826, Korea

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Editorial Office
MDPI, Grosspeteranlage 5
4052 Basel, Switzerland
Tel: +41 61 683 77 34
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Prof. Dr. Patrick J. Sinko

Ernest Mario School of Pharmacy, Rutgers, The State University of New Jersey, William Levine Hall, Room 225C, 160 Frelinghuysen Road, Piscataway, NJ 08854-8020, USA

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