Special Issue

Nanoparticulate Platforms for Enhancing Immunotherapy

Message from the Guest Editors

Nanoparticle-based immunotherapies have shown promising therapeutic outcomes in both preclinical and clinical studies. Various types of nanoparticles have been developed to improve cancer treatment outcomes by targeting different immunological cascades to boost the immune reaction, and they have been proved to exert minimal side effects compared to conventional therapies. In infectious diseases, nanoparticles can be used to activate cellular and humoral immunity to help the body to fight against infections. In autoimmunity and transplantation settings, the immunomodulatory nanoparticles can suppress immunity and induce antigen-specific tolerance to the grafts, and thus have a great potential to abrogate the life-threatening adverse effects associated with the conventional immunosuppressive agents. The current Special Issue invites all types of articles on nanoparticle-based approaches for immunotherapy, particularly focused on but not limited to cancer immunotherapy, autoimmune diseases, infections, and transplantation. We welcome any original articles, review papers, and communications dealing with the use of nanoparticles for immunotherapy.

Guest Editors

Dr. Shiva Pathak

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Dr. Biki Gupta

Deadline for manuscript submissions

closed (1 October 2022)

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Message from the Editor-in-Chief

Nanoscience and nanotechnology are exciting fields of research and development, with wide applications to electronic, optical, and magnetic devices, biology, medicine, energy, and defense. At the heart of these fields are the synthesis, characterization, modeling, and applications of new materials with lower nanometer-scale dimensions, which we call “nanomaterials”. These materials can exhibit unusual mesoscopic properties and include nanoparticles, coatings and thin films, metal–organic frameworks, membranes, nano-alloys, quantum dots, self-assemblies, 2D materials such as graphene, and nanotubes. Our journal, *Nanomaterials*, has the goal of publishing the highest quality papers on all aspects of nanomaterial science to an interdisciplinary scientific audience. All of our articles are published with rigorous refereeing and open access.

Editor-in-Chief

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