Special Issue

Nanomaterials for Immunomodulation and Immunotherapy

Message from the Guest Editors

This Special Issue's aim is to bring together researchers and experts in the field to discuss the latest advancements, trends, and challenges in research, including, but not limited to, the following: physical/chemical parameters modulating immune signaling pathways and effector functions in distinct immune cell subtypes, such as dendritic cells, macrophages, T cells, natural killer cells, and B cells; the modulation of physical characteristics in nanomaterials at the nano–bio interface, impacting and determining the biological features of nano-based immunotherapy, nanoparticle structure–activity relationships, emerging strategies/new methodologies, and technologies for safe nano-immunotherapy design by manipulating nano–bio interactions. This collection will build on and extend current knowledge of nano–bio interactions by incorporating new perspectives and insights from recent research. Please see more details at the following link: https://www.mdpi.com/si/207974

Guest Editors

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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. We are proud of our increasing impact factor and ability to provide rapid decisions to authors.

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