

Special Issue

Boosting Cancer Immunotherapy with Nanomedicines: Novel Approaches and Promising Clinical Applications

Message from the Guest Editors

This Special Issue aims to provide an update on the development of injectable and implantable systems for the precise delivery of immune modulators and cytotoxic molecules. The Special Issue will take into consideration the most recent approaches designed for both the systemic and the local delivery of agents targeting cancer cells, the tumor immune microenvironment, or the peripheral immune system. Moreover, the Special Issue is aimed at dissecting the mechanisms of interaction between nanomedicines and the immune system, and the technological and regulatory challenges that could limit the clinical translation of nanomedicine-based immunotherapies. Research areas may include (but are not limited to) the following:

- Systemic targeting of tumors by intravenously administered nanomedicines;
- Devices for the local delivery and sustained release of immunomodulatory drugs;
- Control of immunostimulation and spatio-temporal heterogeneity;
- Radiotherapy and immunotherapy;
- Chemotherapy and immunotherapy;
- Gene therapy and immunotherapy;
- Nanomaterials for immunotherapy.

Guest Editors

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