

Special Issue

New Advances in Nanomedicine Innovation in Cancer Treatment

Message from the Guest Editor

Nanotechnology is revolutionizing cancer treatment by merging nanomedicine, radiotherapy, and theragnostics to enhance therapeutic efficacy and patient outcomes. Key developments include targeted therapies using antibody–drug conjugates (ADCs) and advanced drug delivery systems. Nanoparticle–biomolecule conjugates, such as gold nanoparticles, improve the precision of radiopharmaceuticals and cancer cell targeting.

Integrating nanotechnology with traditional treatments enables real-time imaging and theragnostic capabilities, allowing for precise therapy adjustments. This Special Issue explores how nanomedicine addresses unmet medical needs by providing more effective, less invasive treatments, and highlights the potential of combining radiotherapy with nanotechnology to improve patient quality of life and personalize cancer care.

Guest Editor

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