Special Issue

Advancing Nanotechnology in Cancer Theranostics

Message from the Guest Editor

Nanotechnology plays a pivotal role in the development of innovative cancer theranostics. By leveraging nanoscale materials, researchers aim to enhance diagnostic accuracy and therapeutic efficacy. Nanoparticles can be used for metastasis detection and prediction, as well as treatment targeting. The nano-systems can carry payloads of drugs, imaging agents or both, enabling targeted delivery to tumor sites. Additionally, they facilitate the real-time monitoring of treatment responses. In summary, nanotechnology revolutionizes personalized cancer therapy by combining diagnostics and therapeutics. As we explore these groundbreaking advancements, we pave the way for effective treatments that hold immense promise for patients worldwide.

Guest Editor

Dr. Yulia Merkher

Faculty of Biomedical Engineering, Technion–Israel Institute of Technology, Haifa 3200003, Israel

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Life
Editorial Office
MDPI, Grosspeteranlage 5
4052 Basel, Switzerland
Tel: +41 61 683 77 34
life@mdpi.com

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Editor-in-Chief

Prof. Dr. Lluís Ribas de Pouplana
Institute for Research in Biomedicine (IRB Barcelona), The Barcelona Institute of Science and Technology, 08028 Barcelona, Spain

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