

Special Issue

Nano-Strategies in Fighting Cancer

Message from the Guest Editors

Over the past two decades, the field of nanotechnology has facilitated the emergence of the nano-bio interaction domain, enhancing our understanding of how nano-sized particles interact with the biological environment. Due to the small size of nanoparticles, they have the potential to interact with cytoskeleton components, thereby impacting cell functionality by altering mechanobiological responses. In this sense, the physicochemical properties of nanoparticles can be modified to potentially target cell mechanobiology, in addition to their other intended therapeutic purposes, for increased effectiveness. This precision allows for the control of critical functions, including migration, adhesion, and invasion, which are the key drivers of metastasis. This Special Issue serves as a platform to showcase research papers and reviews that highlight recent developments in using nanoparticles to enhance cancer management. For instance, this includes targeting the biophysical properties of cancer cells for more effective treatment or improving cancer diagnosis through the development of sensitive and innovative methods.

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Deadline for manuscript submissions

20 February 2025



Pharmaceuticals

an Open Access Journal
by MDPI

Impact Factor 4.3
CiteScore 6.1
Indexed in PubMed



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Because of your expertise in the field of drug sciences, I kindly invite you to consider publishing your current work, in the form of a research article or a review, in the open access electronic journal *Pharmaceuticals*.

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We hope to handle your contribution to *Pharmaceuticals* soon.

Editor-in-Chief

Prof. Dr. Amélia Pilar Rauter

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