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Nanotechnology for Precision Medicine Applications in Cancer and Other Complex Diseases

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Deadline for manuscript submissions:
closed (1 March 2022)

Message from the Guest Editors

Dear Colleagues,

The concepts of precision medicine and personalized medicine imply the need to specifically reach the target site, avoiding side effects, and to personalize the monitoring of patients and their treatment. These new approaches are the direct consequence of a growing knowledge of the molecular-biological dynamics that underlie the pathogenesis of complex diseases, such as cancer.

In this Special Issue, we would like to collect reviews, original researcher, case reports, and proofs of concept, presenting the novel theranostics tools at our disposal and promoting our understanding of the functional complexity of circulating biomarkers using a multidisciplinary medical, biological, and, above all, nanotechnological approach.

This Special Issue aims to be an opportunity for all researchers involved in this fascinating field of research, and we take the opportunity to thank all of them who want to give their unique contribution and dedication to improving knowledge in this field. See more information in

https://www.mdpi.com/si/67365

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Editor-in-Chief

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Message from the Editor-in-Chief

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.

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