

Special Issue

Targeted Therapies in Cancer: Radionuclides, Multi-Omics and Nanomedicine

Message from the Guest Editor

Theranostics utilizes the same active pharmaceutical in patient selection in both in vivo diagnosis and in active therapy. This is an essential part of precision oncology, which identifies new forms of cancer and guides individual treatments. Multiomics approaches include the use of genomics, transcriptomics, proteomics, metabolomics, epigenomics, and phenomics data to explore the complexity of a disease-associated biological network, to predict prognostic biomarkers, and to identify new targeted drugs for individual cancer patients. In this Special Issue, targeted radionuclide therapies will specifically be reviewed and new original research in this field will be presented. Similarly, new target selection in diseases without current effective management is warranted. Multidisciplinary approaches with multifunctional targeted nanomedicines combine carriers with active pharmaceuticals. These transport the drug to the target tissue and can release the payload in a controlled manner. Thus, nanomedicines that penetrate deep in cancer tissue and target specific cells have been adapted in clinical trials. All research within the abovementioned topics is welcome.

Guest Editor

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