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Design, Synthesis and Biological Testing of Next Generation Theranostic Radiopharmaceuticals

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Deadline for manuscript
submissions:

closed (30 July 2022)

Message from the Guest Editor

In recent years, the radiopharmaceutical field has witnessed a surge in interest. This has, in particular, been spurred on by the successes of new drugs for targeted radionuclide therapy in oncology, such as PSMA-targeted compounds. In this sense, “theranostics” refers to the use of the same chemical targeting vector or delivery system, but labeled with either a diagnostic or a therapeutic radionuclide. The diagnostic variant will first detect disease through imaging techniques such as PET imaging, and verify that the targeting vector accumulates as desired. Second, the therapeutic variant will strike and eradicate the same lesions, with the diagnostic variant monitoring the efficacy of the therapy. With this, researchers are invited to submit original and review articles of a basic, preclinical and clinical scope, focusing on the design, synthesis and biological testing of new radiotheranostic compounds and delivery systems, and their future potential. Work that only focuses on diagnostics or therapy should have a clear potential application in theranostics. Accepted submissions will be published in this Special Issue of *Pharmaceuticals*.



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Special Issue



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Message from the Editor-in-Chief

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