

Special Issue

Targeted Radionuclide Tumor Therapy

Message from the Guest Editors

In the era of personalized cancer treatment there has been a great emphasis on targeted therapy. Targeted radionuclide therapy represents a promising therapeutic strategy for the treatment of patients with disseminated cancer. The success of targeted radionuclide therapy in malignant lymphomas has proven that this approach is feasible, effective and clinically translatable. However, the full translation of this approach to solid tumours was restricted by low tumour accumulation, normal tissue toxicity and an intrinsically greater radioresistance. There has recently been progress in the treatment of solid tumours with targeted radionuclide therapy, particularly in patients with somatostatin receptor-positive neuroendocrine tumours. This has opened the door to the development of new radionuclide-based targeting agents with therapeutic potential. As stated, the development of new targeted radionuclide therapies and their translation into clinical practice represents a great challenge in the field. This Special Issue has the aim of highlighting current progress in the development of potential targeting agents for targeted radionuclide therapy.

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