

Special Issue

Novel Insights into Radiopharmaceuticals for Cancer Therapy

Message from the Guest Editors

Targeted radionuclide therapy (TRT) has reached the culmination of translational research with the pivotal NETTER and VISION trials. Patients suffering from metastatic neuroendocrine tumors and metastatic prostate cancer tumors now benefit from this new treatment modality in our departments. However, we should continue and intensify preclinical and clinical research to determine the best place of TRT throughout the various progressive stages of cancer. We should also focus our efforts on deciphering treatment resistance and recurrence mechanisms but also testing novel combinations and dose regimens for targeted radio-/immuno-/chemotherapies. Finally, the design of novel radiopharmaceuticals armed with innovative radionuclides for TRT or for pretherapeutic imaging or radiopharmaceuticals targeting novel molecular signatures of cancer cells might expand the applications of TRT to diseases not currently eligible for TRT and would increase the efficacy of TRT.

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