

Special Issue

Advances in Peptide Receptor Radionuclide Therapy

Message from the Guest Editor

In recent years, peptide receptor radionuclide therapy (PRRT) has gained increasing interest since the NETTER-1 Phase III trial showed that patients with midgut neuroendocrine tumors (NETs) achieved better outcomes with PRRT compared to a group treated with a somatostatin receptor analog: longer progression-free survival ($p < 0.001$), better overall response and, presumably, better overall survival (median not reached; $p = 0.004$). There are also currently several approaches to increasing the effectiveness of PRRT, for example, alpha-targeted treatment instead of PRRT with beta particles, antagonists SSTR-targeting instead of agonists, intra-arterial PRRT instead of intravenous application and PRRT combined with other therapies. Furthermore, the targeting of somatostatin receptors can also be applied for some disorders and tumors other than NETs, such as thyroid cancer, refractory meningioma and sarcoidosis. In this special issue of *Pharmaceuticals*, we would like to present articles focusing on current promising modifications of PRRT for the therapy of NETs, recent reports from prospective trials, novel combination therapies and examples of PRRT applications for non-NET diseases.

Guest Editor

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Editor-in-Chief

Prof. Dr. Amélia Pilar Rauter

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