Special Issue

Past, Present and Future Radiotracer Techniques: Radiopharmaceuticals in Cancer Theranostics

Message from the Guest Editors

More than five years ago, [177Lu]Lu-DOTA-TATE (Lutathera®) was approved for Peptide Receptor Radionuclide Therapy (PRRT) of neuroendocrine tumors (NET) while joining its diagnostic counter-partner [68Ga]Ga-DOTA-TOC. A further success story was represented by the approval of [177Lu]Lu-PSMA-617 (Pluvicto®) to various diagnostic counter-partners for the treatment of prostate cancer. However, the aforementioned theranostic pairs can only supply a limited number of cancer patients and, therefore, the development of new radiotracers and/or radiopharmaceuticals is further ongoing. All these essential steps can be covered in the Special Issue. Areas of interest include, but are not limited to:

- Development and pre-clinical evaluation of diagnostic tracers and radiotherapeutic pharmaceuticals-
- Establishment and validation of GMP compliant synthesis and quality control.
- Translation into clinics: first-in-human studies, clinical trials

Guest Editors

Dr. Ute Hennrich

German Cancer Research Center (DKFZ), Service Unit Radiopharmaceuticals and Pre-clinical Studies, Im Neuenheimer Feld 223, 69120 Heidelberg, Germany

Dr. Martina Benešová-Schäfer

Research Group Translational Radiotheranostics, Research Program Imaging and Radiooncology, German Cancer Research Center (DKFZ), Im Neuenheimer Feld 223, D-69120 Heidelberg, Germany

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Pharmaceuticals
Editorial Office
MDPI, Grosspeteranlage 5
4052 Basel, Switzerland
Tel: +41 61 683 77 34
pharmaceuticals@mdpi.com

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We hope to handle your contribution to *Pharmaceuticals* soon.

Editor-in-Chief

Prof. Dr. Amélia Pilar Rauter

Departamento de Química e Bioquímica (DQB) e Centro de Química Estrutural (CQE), Institute of Molecular Sciences, Faculdade de Cièncias, Universidade de Lisboa, Lisboa, Portugal

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