

## Special Issue

# Targeted Radionuclide Therapy: Theranostic Applications and Advances in Personalized Therapy

### Message from the Guest Editors

Targeted radionuclide therapy (TRT) is a radiation therapy modality consisting of systemic delivery of radioactive atoms to induce DNA damage in tumor cells. TRT agents target specific receptors or molecular cues overexpressed in tumor cells or the microenvironment. Recent developments in understanding of radionuclide chemistry and physical characteristics of radionuclides, as well as biological insights on appropriate and specific molecular targets, have promoted increased use of TRT, especially within a theranostic approach. Herein, we aim at highlighting the most recent applications of targeted radionuclide therapy through the use of different ligands and tumor targeting agents, in combination with diagnostic approaches or other cancer therapies for personalized cancer treatment.

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### Guest Editors

Dr. Carolina de Aguiar Ferreira

Department of Medical Physics, University of Wisconsin-Madison, Madison, WI 53705, USA

Dr. Leonardo Lima Fuscaldi

Department of Physiological Sciences, Santa Casa de Sao Paulo School of Medical Sciences, Sao Paulo, SP 01221-020, Brazil

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## Pharmaceutics

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Editorial Office  
MDPI, Grosspeteranlage 5  
4052 Basel, Switzerland  
Tel: +41 61 683 77 34  
[pharmaceutics@mdpi.com](mailto:pharmaceutics@mdpi.com)

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Prof. Dr. Patrick J. Sinko

Ernest Mario School of Pharmacy, Rutgers, The State University of New Jersey, William Levine Hall, Room 225C, 160 Frelinghuysen Road, Piscataway, NJ 08854-8020, USA

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