

Special Issue

New Insights into Radiopharmaceuticals for Cancer Therapy and Diagnosis

Message from the Guest Editors

Radiopharmaceuticals have emerged as a central pillar of precision oncology, offering unique opportunities for the noninvasive interrogation of molecular pathways and the selective treatment of malignancies. Advances in radiochemistry, molecular imaging, radionuclide production, and targeted delivery systems have markedly broadened the diagnostic and therapeutic scope of these agents.

This Special Issue aims to show the latest advances in radiopharmaceutical research for cancer diagnosis and therapy across fundamental, translational, and clinical domains. Contributions are invited that address the design and optimization of novel radiopharmaceuticals; emerging radionuclides and innovations in radiochemical methodology; theranostic approaches and personalized medicine; targeting strategies based on peptides, antibodies, proteins, nanoparticles, and small molecules; radiopharmaceutical delivery systems and nanomedicine; PET, SPECT, and hybrid imaging technologies; dosimetry, pharmacokinetics, and biodistribution; preclinical evaluation and translational development; clinical applications and trials; artificial intelligence and computational tools in radiopharmaceutical innovation.

Guest Editors

Dr. Fabio Luiz Navarro Marques
Dr. Valery I. Radchenko
Dr. Aryel Heitor Ferreira

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

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Editor-in-Chief

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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