

Special Issue

Advances in Radiopharmaceuticals: Enhancing Targeted Delivery, Disease Diagnosis, and Therapeutic Applications

Message from the Guest Editors

Radiopharmaceuticals are designed to target either tumor- or non-tumor-associated tissues, delivering single or paired radioactive atoms based on specific diagnostic or therapeutic needs. The selection of ligands—such as proteins, peptides, antibodies, nanoparticles, and drugs—depends on the chosen radioactive atom and the intended target tissue, allowing for the targeting of a wide range of tissues. Additionally, the diversity of radioactive atoms, characterized by variations in energy type, density, and half-life, plays a crucial role in effectively targeting tissues while facilitating the diagnosis and treatment of numerous diseases. This Special Issue aims to underscore the capabilities of ligands and radioactive atoms in diagnosing and treating diseases through innovative approaches or by integrating existing methods with synergistic elements.

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