

Special Issue

Nuclear Medicine and Molecular Imaging in Cancer Diagnosis, Therapy, and Treatment Assessment

Message from the Guest Editor

Nuclear medicine and molecular imaging have transformed cancer management by providing unparalleled insights into tumor biology. These modalities are integral not only for early detection and precise staging but also for guiding targeted therapy, monitoring disease progression, predicting prognosis, and assessing minimal residual disease. The integration of advanced imaging technologies such as PET, SPECT, PET/CT, and PET/MRI, along with novel radiopharmaceuticals and theranostic agents, has significantly improved diagnostic accuracy and personalized treatment strategies. Furthermore, innovations in artificial intelligence, radiomics, quantitative imaging biomarkers, and multi-parametric imaging are enhancing precision in oncologic decision-making. This Special Issue invites contributions on a broad spectrum of topics, including novel radiotracers, AI-driven image analysis, multi-modal imaging applications, and the evolving role of nuclear medicine in precision oncology. We welcome original research, reviews, and clinical studies that contribute to the advancement of molecular imaging in cancer diagnosis, treatment planning, and therapeutic assessment.

Guest Editor

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You are cordially invited to submit research articles, short communications, comprehensive reviews, case reports or interesting images for consideration and publication in *Diagnostics* (ISSN 2075-4418). *Diagnostics* is published in open access format – research articles, reviews and other contents are released on the Internet immediately after acceptance. The scientific community and the general public have unlimited and free access to the content as soon as it is published. We would be pleased to welcome you as one of our authors.

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