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Singapore launches new molecular imaging and Singapore launches new molecular imaging and theranostics centre

October 16, 2025 | News

The new facility aims to transform diagnostics, treatment and research in cancer and beyond



The National University Hospital (NUH) and the Yong Loo Lin School of Medicine, National University of Singapore (NUS Medicine) have jointly launched the ***Molecular Imaging and Theranostics Centre***, a novel integrated clinical, education, research & development facility that brings together advanced diagnostics, targeted therapy and pioneering research.

This landmark development is set to transform the way diseases such as cancer are diagnosed, treated and studied, positioning Singapore at the forefront of molecular imaging in Asia.

At the heart of the new centre is Singapore's first total-body PET/CT (Hybrid Positron Emission Tomography and Computer Tomography) system launched in partnership with Siemens Healthineers, located at the NUH Medical Centre. The next-generation scanner sets a new benchmark in advanced medical imaging and a major step forward in enhancing patient care.

Beyond direct patient care, the new centre will also act as a research powerhouse. Researchers now have the capability to observe the real-time movement of tracers throughout the entire body using advanced total-body PET/CT technology. This opens new possibilities for validating next-generation diagnostics and therapies, advancing theranostics – a fast-emerging field that combines diagnostic imaging with targeted therapy.

NUH, NUS Medicine and industry partner Siemens Healthineers have formalised a Memorandum of Understanding to establish a framework, with the aim of improving patient outcomes through clinical diagnostics, translational research and technological innovations. Together, the partners aim to ensure that the new centre not only benefits patients in Singapore but also drives scientific advancement across Asia.