BioSpectrum
the business of Bio & Health Sciences
ASIA EDITION

NUS Medicine and research partners to collaborate on prevention and treatment of cardiovascular disease in Singapore

December 13, 2024 | News

To fill gaps in the field of subclinical cardiovascular disease research



The Yong Loo Lin School of Medicine at the National University of Singapore (NUS Medicine), Kailuan General Hospital, Tianjin Medical University, and Tianjin Medical University General Hospital have signed a Memorandum of Understanding (MoU).

This agreement marks a significant step forward in exploring new directions and strategies in the prevention and treatment of cardiovascular disease, opening a new chapter in scientific research collaboration among the four institutions.

The Project RESET Parallel Cohort, spearheaded by Professor Roger Foo, Vice-Dean for Research at NUS Medicine and researcher in cardiovascular diseases, is at the core of this collaboration. Aiming to explore the immune, lipid, and metabolic drivers of cardiovascular disease, Project RESET Parallel Cohort studies data from a diverse Asian, multi-ethnic cohort using cutting-edge multi-omics technology and big data analysis to uncover molecular, metabolic, and immunological markers of heart disease.

Additionally, the project will validate the effectiveness of artificial intelligence and digital health interventions through nested randomised controlled trials.

Tianjin Medical University, with its strong academic heritage and expertise in cardiovascular research, will contribute by valuable support to investigate subclinical cardiovascular diseases, an area of growing concern in the Asian population.

The partnership will look to fill gaps in the field of subclinical cardiovascular disease research and contribute to the development of precise, personalized prevention and management strategies for cardiovascular conditions. Through this collaboration, the four institutions will create a high-level scientific and technological platform for innovation and talent development, jointly advancing research in subclinical cardiovascular diseases. The MoU will also enable the sharing of knowledge and expertise across disciplines, further enhancing clinical and academic cooperation.