

2026 第8回日本メディカルAI学会学術集会
イブニングセミナー Evening Seminar 1
2026/06/05 (Fri) 16:20-17:20 Hall A

Title :

Application of AI in non-invasive diagnostic technologies

Speaker : **Prof. Allen Chan**
Department of Chemical Pathology
The Chinese University of Hong Kong



Prof. Allen Chan

Professor Allen Chan is the Associate Vice-President (Knowledge Transfer) of The Chinese University of Hong Kong (CUHK) and the Chairman of the Department of Chemical Pathology at the Faculty of Medicine at CUHK. He is a co-inventor of the non-invasive prenatal test (NIPT) for Down syndrome, an innovation that has transformed prenatal care worldwide, with millions of tests performed annually. Professor Chan has developed a number of NGS-based approaches for cancer detection. He led the first large-scale prospective study demonstrating the use of plasma DNA analysis (“liquid biopsy”) for early cancer screening. Using nasopharyngeal cancer as a model, his team showed that plasma DNA analysis is able to detect early asymptomatic cancers and improve survival. This study was featured as one of the top ten notable articles in the New England Journal of Medicine in 2017.

Professor Chan is a co-inventor of over 150 patent families. In 2020, he was named one of the “Top Twenty Translational Researchers” by Nature Biotechnology.



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