



Department of
Biomedical Engineering

香港城市大學
City University of Hong Kong

Hosted by Prof. Bee Luan KHOO

Exploring the Latest NGS Innovations and Applications in Genomics Research

Dr Man Chun LEONG

Product and Marketing Senior Director
Novogene AMEA (Asia Pacific, Middle East & Africa)



Date: 4 December 2024

Time: 10:30 - 11:30 am

Venue: YEUNG-P4701, 4/F

Yeung Kin Man Academic Building

Abstract

Advancements in sequencing technologies have transformed genomics research, providing researchers with a wealth of information beyond what traditional molecular methods offer. Among these technologies, Next-Generation Sequencing (NGS) has emerged as a crucial tool for addressing complex genomics questions. The seminar highlights key technological breakthroughs that have dramatically reduced the costs and time associated with genome sequencing, facilitating large-scale population sequencing projects. These projects have enhanced the understanding of genetic diversity and driven innovations in genome-based healthcare practices. Attendees will gain comprehensive insights into the current trends in NGS technology, its practical applications in clinical settings, and how these technologies are central to transforming healthcare outcomes through data-driven approaches.

Biography

Dr Leong obtained his PhD from the National University of Singapore. In addition, he holds an MBA from Manchester University and an advanced engineering degree from Ecole Centrale Paris, a French postgraduate-level research institute in engineering and science. He is the author of over 15 publications in peer-reviewed journals, conference proceedings, book chapters, and invited reviews.

Dr Leong has over a decade of experience in Life science, MedTech and clinical diagnostics. In his last role, he served as the key executive in an SGX-listed MedTech company. He was responsible for the overall management, operations, strategic planning, and business development of the Group. He is currently the Senior Director for Product and Marketing at Novogene AMEA, focusing on the product lifecycle of genomic services and market development.