



Dr. Clement K.M. Tsui

National Centre for Infectious Diseases, Tan Tock Seng Hospital
Singapore

Dr. Clement Kin-Ming Tsui is a Principal Scientific Officer in National Centre for Infectious Diseases, Tan Tock Seng Hospital, Singapore. He is also appointed as affiliated Assistant Professor in Faculty of Medicine, University of British Columbia, Canada. His work focuses on molecular diagnosis of infectious diseases, as well as characterizing the transmission and antimicrobial resistance of microbial pathogens. His major research interest is to understand the ecological factors and evolutionary mechanisms that determine the genetic variation and population structure of fungal pathogens.

Dr. Tsui received his PhD from University of Hong Kong (Hong Kong, China) on fungus ecology and biodiversity. He has performed post-doctoral research at the University of British Columbia in Canada, BC Center for Disease Control Public Health Laboratory (Vancouver, Canada), and Westmead Hospital (Sydney, Australia). He has studied the population genetics, evolution, and genomics of fungal pathogens to plants, humans, and animals. Also, he is studying the virulence mechanisms and novel drug targets for tuberculosis and other microbial pathogens. Recently, his lab used high-throughput DNA sequencing technologies such as shotgun metagenomics and amplicon sequencing to provide a comprehensive catalogue of the microbial genetic elements underlying microbial diversity and clinical manifestation.

He is on the editorial board of *Fungal Genetics and Biology*, *Molecular Ecology* and *Molecular Ecology Resources*.