



PARALLEL SESSION 2.2

**INTELLIGENCE SYSTEMS AND INSTITUTIONAL CAPACITIES IN RESPONSE TO
NCDS**



| BACKGROUND

The burden of non-communicable diseases is expected to increase tremendously in the coming decade, driven in part by the confluence of rising obesity and rapidly ageing societies. National surveys on health and behavior offer valuable insights into the scale of the NCD burden, and the intelligence system underpinning a country can be further extended to evaluate the success of national programmes in prevention, screening, and disease management.

| OBJECTIVES

This session focuses on the importance of strategies that are data-guided and evidence-based, to highlight the importance of strengthening institutional and community-based capabilities in the use of intelligence systems to address the systemic and long-term challenges that lead to the rise of NCDs.





Moderator

Yik Ying Teo

Dean

Saw Swee Hock School of Public Health, National University of Singapore
Singapore

Professor Teo Yik Ying is Dean of the Saw Swee Hock School of Public Health, National University of Singapore, and concurrently the iOmics Programme Leader at the Life Sciences Institute, and an Associate Faculty Member of the Genome Institute of Singapore. Prof Teo majored in statistical genetics, having completed his doctoral training at the University of Oxford after obtaining a Distinction for his Masters in Applied Statistics at Oxford and graduating top of the cohort for in the Bachelor programme in Mathematics at Imperial College, UK. He pursued his postdoctoral training with the Wellcome Trust Center for Human Genetics, where he was concurrently appointed as a Lecturer at the Statistics Department in Oxford University. A keen researcher by nature, Prof Teo has gained international recognition for his work in genomics, where his focus is in the development and application of mathematical and statistical techniques to understand the genetic causes of human diseases and genetic evolution in worldwide populations. He has conducted large scale genomic studies on populations from Africa, Europe and Asia, and currently chairs an international consortium investigating the genetic diversity of cosmopolitan and indigenous populations in Asia. Prof Teo has served as the Director for the Centre for Infectious Disease Epidemiology and Research, where the Centre works closely with the Ministry of Defence to develop capabilities for disease surveillance, consultation and research to deter and to control potential infectious disease outbreaks. He was also the Founding Director for the Centre for Health Services and Policy Research, which approaches systems-level healthcare issues from a multidisciplinary perspective, connecting healthcare workers, patients, researchers, policy- and decision-makers to tackle complex themes in the fast-changing nature of health services delivery. For his contributions and achievements to academic and public health, Prof Teo was the recipient of numerous awards, including the Singapore Youth Award (2011), the Young Scientist Award by the Singapore National Academy of Science (2010), the NUHS-Mochtar Riady Pinnacle Young Achiever Award (2015), and the Outstanding Young Persons of the World award in the category of Academic Leadership and Achievements (2015). He was also conferred numerous scholarships during his education, including the Public Service Commission scholarship (1997), the Shell Centenary Scholarship (2000), the Lee Kuan Yew Postgraduate Scholarship (2003) and the NUS Overseas Graduate Scholarship (2003). Growing up in a family of educators, Prof Teo is both a passionate and exceptional educator, and has won numerous faculty and university awards for teaching excellence from both NUS and Oxford.

