

Biopsychosocial Determinants of Neurocognitive Health

**SPEAKER: DR. TAN CHIN HONG,
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Moderator : Prof. Ben Li (Associate Professor)
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Abstract

Societies around the world are rapidly ageing and advanced age is the strongest risk factor for Alzheimer's disease (AD) and related dementias. Late onset AD is an insidious disease with an extended asymptomatic phase, representing a major healthcare challenge globally. Beyond genetic and neurobiological risk factors, there is increasing recognition that psychosocial determinants play an important role in the process of neurocognitive ageing. In this talk, using local and global data spanning from memory clinics to large population-based cohorts, I will first discuss the promises and limitations of biological determinants of AD in the context of the current Alzheimer's disease therapeutics landscape. Next, I will demonstrate the impact of comorbid neuropsychiatric disorders in dementia and conclude by emphasizing the role of individual and neighbourhood-level socioeconomic determinants of brain and cognitive health. This talk aims to provide an interdisciplinary perspective towards understanding the constellation of dementia risk factors and chart a path towards prevention against dementia.

Biography

Chin Hong is Assistant Professor of Psychology at Nanyang Technological University, Singapore. He is an interdisciplinary cognitive neuroscientist whose research interest lies broadly in using neuroimaging, genetics, and psychosocial factors to understand the earliest risk markers of neurodegenerative diseases and cognitive decline. He is a recipient of the prestigious Singapore Social Science and Humanities Research Fellowship. He received his PhD in Psychology from the University of Illinois Urbana-Champaign and was a postdoctoral scholar in the Department of Radiology and Biomedical Imaging at the University of California, San Francisco.

ALL ARE WELCOME