The Innovation & Precision Eye Health
Webinar Series 2024
14 May 2024, Tuesday
6:30 pm - 7:30 pm SGT | 10:30 am - 11:30 am GMT

Large Language Models (LLMs) in Ophthalmology

About the speaker:
Dr. Fares Antaki is a board-certified Ophthalmologist from Montreal, Canada. He is currently a Fellow in Artificial Medical Intelligence at the Moorfields Eye Hospital and University College London (UCL) Institute of Ophthalmology in London, United Kingdom, working with Prof. Pearse Keane. He is also an expert consultant for The CHUM School of Artificial Intelligence in Healthcare in Montreal, Canada. Dr. Antaki earned his medical degree from McGill University in 2018. During his ophthalmology residency at the University of Montreal, he served as a Chief Resident and published over 40 peer-reviewed articles while in full-time clinical training. He received numerous research and teaching awards (CHUM, COS, ASRS, ARVO) and graduated as Valedictorian across all residency specialties in 2023. His research focuses on the applications of emerging technologies in ophthalmology, including artificial intelligence and virtual reality. In July 2024, he will be joining the Cleveland Clinic to complete a two-year vitreoretinal surgery fellowship.

About the Talk
Large language models (LLMs) have rapidly advanced, demonstrating remarkable potential for transforming numerous fields, including medicine. This presentation will explore the fundamentals of LLMs and their training methods from a clinician's perspective. We will also examine the evaluation of LLMs within medicine and ophthalmology, their current performance in medical question-answering, and their promising future as smart agents in clinical settings.

About the Host: Dr Tham Yih Chung is a clinically trained Optometrist with PhD training in Ocular Epidemiology. He is currently an Assistant Professor (tenure track) at the Department of Ophthalmology, the Population Data Science Co-lead, and the Optometry Education Program Director for the Centre of Innovation and Precision Eye Health, Yong Loo Lin School of Medicine, National University of Singapore (NUS). Dr Tham is also a scientist at the Singapore Eye Research Institute (SERI).

Please email vns.ophth@nus.edu.sg for more information.
Organised in collaboration with NUH and NUS Department of Ophthalmology