



Academic Medicine
Research Institute
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RESEARCH GRAND ROUNDS

ChatGPT and Large Language Models in Health

Large Language Models (LLMs) are powerful tools for text processing, holding immense potential in health applications. However, they lack a specific medical focus. How can we optimise their accuracy for clinical tasks and curb misinformation phenomena such as hallucinations? Attention has also been drawn to ethical concerns, given their high-stakes applications in health. Much clarity is needed to resolve such issues beyond the ongoing discussion and development of guidelines and regulations.

Join Dr Lim and Assoc Prof Liu as they highlight gaps and delve into the clinical applications, technicalities, and ethical considerations surrounding the safe and effective use of LLMs and Generative AI in health.

Wednesday, 17 Apr 2024
12:30pm to 1:30pm (SGT)
via Zoom Webinar



CME, CPE and CNE points
may be awarded.

Register for free now at
<https://for.sg/rgr17apr24>

Speakers



Dr Daniel Lim Yan Zheng

*Data Science Fellow, Data Science and Artificial Intelligence Lab (DSAIL), Singapore General Hospital (SGH)
Gastroenterology Senior Resident, SingHealth Residency*

- Dual qualified as a Master of Technology and a Data Science Fellow with DSAIL
- Worked on large data from electronic health records, natural language models, and medical images
- Published in multiple high impact journals (Diabetes Care, British Journal of Anaesthesia, Journal of Gastroenterology and Hepatology) on the applications of Large Language Models in healthcare



Assoc Prof Liu Nan

*Director, Duke-NUS AI + Medical Sciences Initiative (DAISI)
Associate Professor, Centre for Quantitative Medicine, Duke-NUS Medical School*

- Research focuses on AI and Machine Learning with applications to Medical Informatics, Health Services Research, Emergency and Critical Care, Cardiology, and Health Innovation
- Recipient of multiple research grants from the National Medical Research Council, National Health Innovation Centre, and National Research Foundation, and recognised as one of the World's Top 2% Scientists by Stanford University and Elsevier
- Served as an Editor for many prestigious peer-reviewed journals, such as npj Digital Medicine and PLOS Medicine

Facilitator



Assoc Prof Daniel Ting

*Director, AI Office, SingHealth
Head, AI and Digital Health, Singapore Eye Research Institute (SERI)
Associate Professor, Duke-NUS Medical School and Stanford University*

- Published over 250 peer-reviewed publications in high-impact journals, such as JAMA, NEJM, Lancet, Nature Medicine, and serves in American Academy of Ophthalmology, STARD-AI, QUADAS-AI and DECIDE-AI as executive committee
- Ranked the Top 100 Ophthalmologists Power list by the Ophthalmologists, and ranked Top 100 Clinical Research (0.001%) in the World's Top 2% Scientists by the Stanford University in 2022 and 2023
- Ranked 1st for Deep Learning AI Research scientist in the world across all domains (>55K researchers) by the ExpertScape from 2010 to 2021

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