



The Genetic Counselling discipline is hosting a visiting scholar workshop:

“The Ethics of Replacing Genetic Counsellors with LLMs”

Speaker

Dr Sinead Prince
Postdoctoral Research Fellow
National University of Singapore

When & Where

Date: Friday 7 August, 2026
Time: 11am – 12.15pm AEST
Location: CB20.08.12 and on Zoom
Host: Dr Lisa Dive

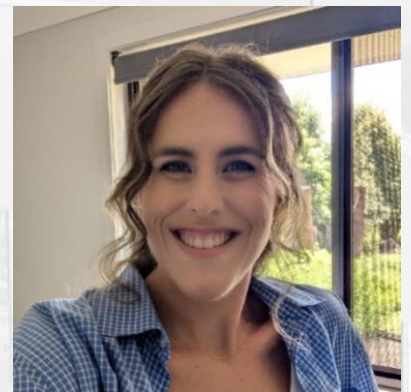
All staff and students welcome. Please share with colleagues and interested groups.

Abstract

Many countries are already lacking sufficient genetic counsellors to meet the needs of their populations raising concerns about equity and justice in access to healthcare and reproductive decision-making. To add to this, many countries are implementing whole genome sequencing research programs with few genetic counsellors to counsel participants through the entire process. Following the success of e-Learning tools to supplement consent processes, using LLMs to counsel users through the entire genetic testing process may bring significant benefits relating to personalised learning, 24/7 availability, and human-free judgement. However, questions arise as to the capability of an AI model to meet the emotional and psychological needs of users through the genetic testing process. I will address the concerns and benefits of LLMs to replace genetic counsellors with a feminist approach to understanding exactly how LLMs can undermine or support user autonomy and authenticity in achieving their own goals in genetic testing.

About the Speaker

Sinead is a postdoctoral research fellow at the Centre for Biomedical Ethics within the Yong Loo Lin School of Medicine at the National University of Singapore. Her current research focuses on ethics in genomics and gene editing technologies, precision medicine, medical AI, bioprediction, and reproductive technologies. After graduating from degrees in law and biomedical science from Queensland University of Technology (QUT) in 2021, she completed her PhD in the Australian Centre for Health Law Research at QUT in 2024. Her doctoral thesis was on the ethics of genetic enhancement using feminist approaches to autonomy, particularly focusing on the philosophy of health and disease, and well-being.



Registration / RSVP

Registration is required: <https://tinyurl.com/ymp6x3st>

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