

HKUMed Teaching and Learning Expo:

Harnessing AI to Revolutionize Health Sciences Education

Nov 27-28
2025

Enhancing collaborative teaching and learning and reflective practices with digital technology and generative AI



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Abstract

The rapid adoption of online learning and generative AI by students has transformed educational landscapes, presenting new opportunities for enhancing collaborative teaching, learning, and reflective practices. This talk explores a selection of innovative approaches at the Faculty of Medicine, CUHK in integrating digital technologies and AI tools within interdisciplinary design thinking workshops for teachers and team-based learning environments for students. Meanwhile, other innovations leveraging generative AI as an interactive mentor, students can engage in reflective dialogues that deepen critical thinking and self-awareness. Preliminary data show that AI-driven reflective practice can foster more honest, personalized, and meaningful learning experiences. Attendees will gain insights into practical strategies for creating digital technology and AI-supported collaborative classrooms that promote creativity, problem-solving, and continuous reflection.

Biography

Professor Wong is a medical educationalist and a fellow of the higher education academy (FHEA) and received the prestigious University Grants Council (UGC) Education award in 2020 for her work in family medicine, social responsibility and design thinking and the founder and lead of the Interdisciplinary Design thinking in Higher education Community of Practice under the HKTEA (Hong Kong Teaching Excellence Alliance). Professor Wong is a trained family physician and a member of the Royal College of General Practitioners (UK) and is an associate member for the Hong Kong College of Family Physician and Deputy Editor of the Hong Kong Practitioner. Her work spans clinical communication skills and family medicine consultation skills to curriculum design in Family medicine and Interprofessional Education with a focus on experiential learning and team-based approaches.