

NUS-Priority Research In Medical Education

NUS - PRIME

EMPOWERING FACULTY DEVELOPMENT FOR HEALTH PROFESSIONS EDUCATORS WITH AI AGENTS

Generative AI in health professions education largely targets students, neglecting educator development. We developed “Huaxi Xiaozhu,” customized AI agents with retrieval-augmented generation, implemented in faculty development programs since May 2024. The agents outperformed five mainstream LLMs in output quality ($p < 0.05$). Among 92 educators, satisfaction and willingness to use agents were high (97.8% each). Post-program usage was initially low (21.1% over 40 days) but rose to 73.7% by next semester, with 84.2% completing BOPPPS-based instructional designs. AI agents offer promising round-the-clock personalized support for faculty, yet educators need time to master prompt skills. Post-program reminders and accessibility tips are recommended.



Dr Hua CHAI

Zhulang Career Development Center

**West China Second University Hospital, Sichuan University
China**

3 AUGUST 2026

Monday | 12:30 - 01:30 PM (SG Time)

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Registration closes on **30 July 2026**
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THE COMPLEX INTERPLAY OF PERSONAL AND EXTERNAL FACTORS IN MEDICAL STUDENTS' SPECIALTY DECISION-MAKING: A QUALITATIVE STUDY



Ms Trang DANG

College of Health Sciences, VinUniversity, Vietnam

This qualitative study explores how medical students in a newly established hybrid medical curriculum in Vietnam construct specialty choices through personal, academic, social, and contextual experiences. Using semi-structured interviews with 27 students and interpretive phenomenological analysis, the study identified four interrelated influences: personality-driven identity alignment, transformative academic and extracurricular engagement, negotiation of financial and familial pressures, and career reorientation after COVID-19. The findings show that specialty choice is not a fixed matching process, but an evolving reflection on who students are and what kind of doctors they hope to become, highlighting the need for reflective career support in medical education.