

# HKUMed Teaching and Learning Expo: Harnessing AI to Revolutionize Health Sciences Education

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## Responding to the Fourth Generation of Medical Education Building 'Medical Future Learning Center' (MFLC)



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### Abstract

In response to the Fourth Generation of Medical Education, this report focuses on the construction of the "Medical Future Learning Center" (MFLC). It systematically analyzes the characteristics of an educational ecosystem that is learner-centered, data-driven, and lifelong open, explores its core value in reshaping medical talent training models and fostering outstanding medical professionals, verifies its practical effectiveness in enhancing students' core competencies, promoting the transformation of teachers' roles, and optimizing resource allocation, and provides a paradigmatic reference for the digital transformation of medical education.

### Biography

Prof. Weimin Wang is Executive Deputy Director of the National Center for Health Professions Education Development, Head of Institute of Medical Education of Peking University, China. He has previously served as the Vice President of Peking University Health Science Center. He holds a MD in Surgery and serves as a Chief Physician and Doctoral Supervisor. He is Chairman of the Working Committee for Accreditation of Medical Education (WCAME) of Ministry of Education, Deputy Chairman of the Steering Committee of Clinical Medicine Professional Teaching of Ministry of Education, Secretary-general of the Expert Committee of Medical Education of Ministry of Education. He is also the vice president of the Western Pacific Association for Medical Education (WPAME) of the World Federation for Medical Education, Executive Vice President of the Medical Education Committee of the China Association of Higher Education, Chairman of the Medical Education Branch of the Chinese Medical Association, and Chairman of the Simulation Medicine Education Committee of the China Medical Education Association. He is currently the Editor-in-Chief of the Chinese Journal of Medical Education, Vice Editor-in-Chief of the Medicine Teaching in University (Electronic Edition). He is also an international editorial board member of Medical Education. He presided over the revision of the Standards for Basic Medical Education in China (2016 and 2022 editions) and the Guidelines for Accreditation of Basic Medical Education. The monographs he has translated as the lead translator include A Practical Guide for Medical Teachers (5th and 6th editions), Researching Medical Education, and the Oxford Textbook of Medical Education.