

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

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## Technology-Enhanced Models for Medical Education



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### Abstract

The rapid advancement of science and technology presents new opportunities and challenges for medical education. This speech endeavors to illustrate a technology-empowered talent cultivation model through the four dimensions of the "STAR" framework: Specifically, through Smart Learning, to reshape the personalized knowledge acquisition pathway with a trainee-centric approach; through Translational Integration, to break down the barriers between basic and clinical sciences, as well as between medicine, engineering, and fundamental sciences, thereby fostering interdisciplinary innovative thinking; through an Agile Platform, to construct a digital-intelligent infrastructure that supports large-scale, intelligent teaching and training exercises; and through Redefined Excellence, to establish an evaluation and incentive system oriented towards innovative value, capability, and contribution. The presentation will incorporate practical cases from Peking University Third Hospital to demonstrate this model.

### Biography

Shen Ning has been deputy director of the department of Respiratory and department of Critical Care Medicine. She is also responsible for teaching work of the hospital and the work of the subordinate branch. She has been engaged in medical treatment, teaching and scientific research of respiratory diseases for a long time, and has rich clinical experience in the treatment of respiratory infection and critical respiratory diseases. She focuses on respiratory infectious diseases and microbiome, rapid diagnosis of etiology, antimicrobial resistance mechanism and nosocomial infection management, respiratory critical illness and respiratory interventional therapy. She is the Distinguished Professor of Changjiang Scholar of the Ministry of Education; Deputy director of Infection Group, Respiratory Branch, Chinese Medical Association; Standing member of Respiratory Endoscopy and Intervention Branch of Beijing Medical Association; Member of Infectious Diseases Professional Committee of Chinese Medical Education Association.