

AI-Integrated Colorectal Cancer Research: Challenges, Progress and Innovation



Invited Speaker

Yudong Zhang

Southeast University

Date: Apr 16, 2026 (Thu)

Time: 10:30am (HKT)

Zoom Meeting: 801 137 0362

Biography

Yudong Zhang is a Chief Professor and Doctoral Supervisor at Southeast University, and a recipient of a national-level high-level talent award. He is a postdoctoral researcher from a top American university. He has held full-time and honorary teaching positions (including department head, chair professor, and full professor) at numerous universities in various countries (including the USA, UK, France, Australia, Spain, Saudi Arabia, Japan, etc.), many of which are ranked among the top 150 by QS or Times Higher Education. He has co-authored over 100 papers published in CAS Q1 journals. His Google citation is over 48k with an h-index of 116. He has repeatedly served as co-chair of IEEE and ACM conferences. He has also served as a reviewer for numerous prestigious awards and honors, including those for members of the National Academy of Engineering (NAE), the Royal Academy of Engineering (FREng), the Royal Society (FRS), the Marie Curie Fellowship, FIEEE, and FIET.

Abstract

Colorectal cancer (CRC) remains a pressing global healthcare challenge, demanding systematic advancements in its management paradigm. This report provides a high-level overview of the evolving landscape of CRC research and clinical practice, focusing on the transformative role of integrated innovation in diagnosis, therapy, and translational medicine. It highlights the strategic value of technological breakthroughs, including advanced diagnostic approaches, computer-aided solutions, and novel therapeutic strategies, in advancing CRC care. Concluding with key future research priorities centered on validation, safety, and preclinical translational studies, this work underscores the synergy between basic research and clinical application, offering a strategic outlook for mitigating the global CRC burden.