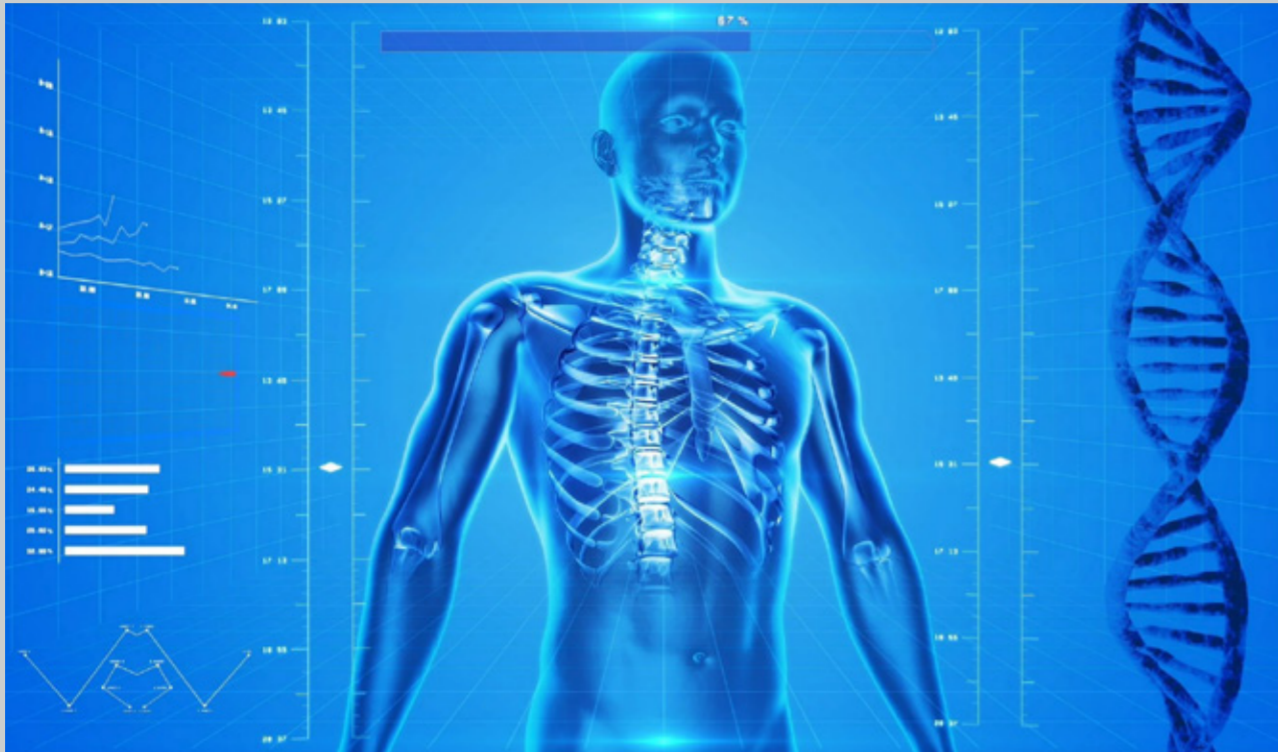


TOKYO COLLEGE

共に考える未来 Shaping the Future Together

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Digital Twins and AI for Personalized Medicine: Bridging Engineering and Medicine

Engineering technologies have played a vital role in advancing medicine, and in recent years this progress has accelerated through the growing use of AI. A key development is the digital twin: a computer-based model of an individual patient that enables virtual measurement of otherwise difficult processes (e.g., blood flow in small cardiac vessels) and the testing of treatment options. This talk presents current efforts to use digital twins and AI for personalized medicine. It also considers the challenges and societal implications of these approaches, emphasizing the importance of collaboration across disciplines and national contexts. In an ageing society, it invites reflection on how technology can support the future of healthcare.

2026. **4.28** [Tue.]
14:00-15:00 JST



Speaker

Ryo TORII

Invited Professor,
Tokyo College,
The University of Tokyo;
Professor,
University College
London

Commentator

II Masako

Specially Appointed Professor,
School of International and
Public Policy,
Hitotsubashi University



Moderator

OSHIMA Marie

Deputy Director,
Tokyo College,
The University of Tokyo



Organized by Tokyo College, The University of Tokyo Institutes for Advanced Study

Language Japanese (English interpretation)

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