Writing The Future - From DNA to AI

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AI's full potential in biology depends on linking in silico design to functional molecules. Julian Jude (Twist Bioscience) will showcase a scalable, silicon-based synthetic DNA platform that uses high-fidelity fragments and DNA Pools to enable cost-effective, genome-scale construction of protein and regulatory element libraries.
Case studies will demonstrate how this platform closes the AI-to-wet-lab loop, accelerating precision engineering for advanced antibody discovery, enzyme optimisation, and novel nuclease development in biopharma.

Keywords

- Large-scale library construction using DNA Pools
- Ultra-parallel DNA synthesis for high-throughput realization of AI designs

Date: Thursday, July 2, 2026
Time: 3:00 - 4:00 PM
Venue: Taniguchi Memorial Hall, RIMD / Zoom
Language: English

Zoom for
Meeting ID: 977 0016 9313
PASS: 090430

Host: Shinya Okamura, Ph.D.
Specially Appointed Assistant Professor
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