



~ Twist Bioscience Seminar ~

## *Accelerating the CRISPR Revolution with limitless synthetic DNA*

*Twist Bioscience Seminar*

**Date:** Friday, 23 June 2023

**Time:** 16:00-17:00 [JST]

**Lecturer:** Dr. Julian Jude (Scientific Development Manager, Twist Bioscience)

**Language :** English

**Venue :** Hybrid meeting

Conference Room (B1F, Faculty of Medicine Bldg. B), Kyoto University / Zoom Online

※ On-site participation is limited to the members of Kyoto University.

※ On-site participation will be closed when capacity is reached.

※ Highspeed LAN/WiFi environment advised for stability

**Registration:**

<https://forms.gle/MtmgzC2HHFPt1TgMA>

\* Registration required

\* Registration Deadline: Tuesday, 20 June 2023



**Abstract:** *The CRISPR technology has brought a revolution in functional genomics by enabling large-scale genome-wide screens that have uncovered novel gene functions and drug targets. Twist Bioscience, through its silicon-based DNA synthesis platform, is set to accelerate this revolution by providing limitless synthetic DNA. Its highly uniform 300mer oligo pools underpin targeted or genome-wide sgRNA libraries and are helping scientists move to the next generation of screens using combinatorial guide designs, Cas12/Cas13 arrays, and even PRIME editing. In this talk, we'll discuss how an oligo length of 300 nucleotides can unclog your screening limitations and generate functional genomics data that can power AI-driven guide design.*

