



◆ Oxford NANOPORE Technologies ◆

~Oxford Nanopore technology update~

Date: Friday, 22 November 2024

Time: 16:00-17:30 [JST]

Lecturer:

▶ Dr. Lakmal Jayasinghe, SVP – R&D Biologics



▶ Dr. Libby Snell, Director – RNA and cDNA Sample Technology



Language : English

Venue : Hybrid meeting

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

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

* Highspeed LAN/WiFi environment advised for stability

Registration:

<https://forms.gle/rKxQWKGDAXVnzHsR7>

* Registration required

* Registration Deadline: Tuesday, 19 November 2024



Oxford Nanopore devices sequence DNA and RNA directly, capturing fragments of any length, from short to ultra-long, to provide a truly comprehensive picture of the genome, including methylation information.

In this seminar, Dr. Lakmal Jayasinghe, the head of R&D Biologics of Oxford Nanopore Technologies will present the latest updates on our technology, including improved basecalling accuracy achieved by incorporating transformer AI architecture into the basecaller, methylation calling, and direct RNA sequencing. He will also touch on other exciting updates such as telomere-to-telomere sequencing and protein sequencing.

In addition, Dr. Libby Snell will provide the update on direct RNA sequencing, which enables unbiased full-length transcriptome analysis and RNA modification detection.



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