

Scaling Up Single Cell Sequencing: A New Era of Biology

Date: Thursday, 12 June 2025

Time: 14:00-15:00 [JST]

Lecturer: Dr. Charlie Roco, PhD, CTO and Co-founder, Parse Biosciences

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.

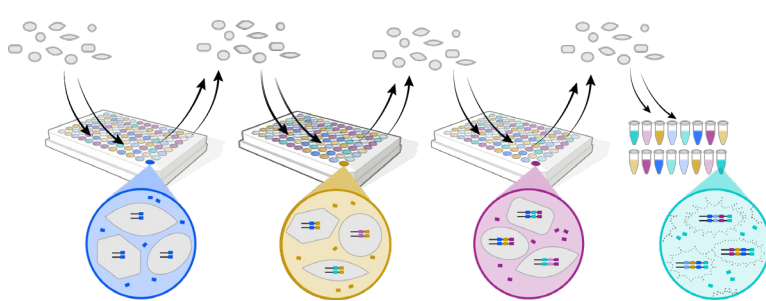
* Highspeed LAN/WiFi environment advised for stability

Registration:

<https://forms.gle/JuYmAdrTS7JMUDGY8>

* Registration required

* Registration Deadline: Monday, 9 June 2025



Recent advances in single-cell analysis have made it a powerful tool for understanding heterogeneity within tissues and cell populations. Parse Biosciences enables large-scale single-cell RNA sequencing, immune profiling, and CRISPR screens using split-and-pool combinatorial barcoding, without requiring specialized instruments. This technology minimizes ambient RNA contamination, improving the accuracy of rare cell-type detection and utilizes fixation for sample preservation allowing for a more flexible workflow with less batch effects. This seminar will introduce the fundamentals of Parse Biosciences' platform and its advantages in high-throughput single-cell transcriptomics.