

「マルチオミックスによる遺伝子発現制御の先端的医学共同研究拠点」事業
Jan 27th – Feb 25th, 2025

FY2024 Special Practical Bioinformatics Course: Single-Cell & Tissue Insights from Public Cancer RNA-seq Data

Hands-on
Programming

R / RStudio
Seurat v5

scRNA-seq
Data Analysis

On-demand &
Active Support

- ❑ **Format / Language:** On-demand / English (字幕)
- ❑ **Each Class:** 1.5-2hrs (Lecture+R Practical Session)
- ❑ **Course Fee:**

YCU non-student Members: 5,000円

YCU KYOTEN Collaborators: 5,000円

External Participants - Academic: 10,000円

External Participants - Industry: 20,000円



***YCU Students
& KYOTEN Students**

	Lecture Title	Release Date & Time
0.	<i>Special Bioinformatics Course Introduction and Software Preparation (1hr session)</i>	27-Jan-2025 (Mon) LIVE (ZOOM) 16:00 JST
1.	<i>Introduction to Cancer Genomics & scRNA-seq Data Preparation</i>	03-Feb-2025 (Mon) on-demand 16:00 JST
2.	<i>scRNA-seq Data Clustering & Cell Type Identification</i>	10-Feb-2025 (Mon) on-demand 16:00 JST
3.	<i>Trajectory Analysis & Cell-Cell Communication in scRNA-seq Data</i>	17-Feb-2025 (Mon) on-demand 16:00 JST
4.	<i>Result Validation at Tissue-level using TCGA Public Resource</i>	25-Feb-2025 (Tue) on-demand 16:00 JST

****Course Recordings and all materials available until July 31, 2025****

■ **Advanced Registration Required**

■ **Application & Course Details:**

<https://forms.office.com/r/4LRaVdya1i>

■ **Application Deadline: 08-January-2025**

■ **Contact Information: kyoudou@yokohama-cu.ac.jp**

Register here!



**Organizers: YCU Bioinformatics Laboratory &
the Joint Usage/Research Center Program (KYOTEN)**