

「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
January 17th – February 28th, 2022

Advanced Practical Bioinformatics Course: scRNA-seq Data Analysis

FY 2021 KYOTEN “Advanced Bioinformatics Practical Course” will cover **single cell data analysis** in **R 4.1 (RStudio, Seurat 4, Monocle 3)**. The course (**4 classes**) will be held online (**Zoom**) and given in **English**.

Participation in the course requires: (i) **basic familiarity with R / RStudio**, (ii) **basic understanding of RNA-seq single cell technology** and (iii) **setting up own computational environment** (instructions are provided).

- ❑ **Format & Language:** Zoom / English
- ❑ **Each Class:** 2 hrs (Lecture + Practical in R /RStudio)
- ❑ **Course Fee:**
 - YCU students: Free
 - YCU researchers: 5,000 yen
 - External students collaborating at YCU KYOTEN: Free
 - External researchers collaborating at YCU KYOTEN: 5,000 yen
 - Other external researchers: 7,500 yen

❑ **Instructor:** Jordan Ramilowski, PhD (YCU · RIKEN IMS)

	Lecture Title	Date / Time
1	“Working with own and public single cell data. Creating and understanding Seurat object”	17 January, 2022 17:30–19:30
2	“scRNA-seq data processing in Seurat: QC, normalization, clustering and annotations”	31 January, 2022 17:30–19:30
3	“scRNA-seq data integration & differential expression in Seurat”	14 February, 2022 17:30–19:30
4	“Introduction to scRNA-seq trajectory analysis using Monocle 3”	28 February, 2022 17:30–19:30

ZOOMでの開催となります。

事前申込必須 定員20名

右のQRコードより申込できます。

コースの詳細は拠点webサイトにアクセスしてご確認ください。

https://www-user.yokohama-cu.ac.jp/~kyoudou/kyoudou_wp/?p=872



Application Deadline/申込締切:
2021年12月24日(金)予定

※受講確定者には事務局からご連絡いたします。

«お問い合わせ先»

研究推進部 研究・産学連携推進課
持丸、小原澤 045-787-2529(内線2548)
kyoudou@yokohama-cu.ac.jp

Organizers: SENTANKEN Bioinformatics Lab & the Joint Usage/Research Center Program (KYOTEN)