Practical Bioinformatics Course 2021

Instructor：Jordan Ramilowski (YCU/RIKEN)
Bioinformatics Associate Professor

Participants will gain basic theoretical and practical understanding of Next Generation Sequencing (NGS) Data Analysis and will learn to perform selected functional analysis (differential gene expression, pathway enrichment) and single-cell RNA-seq data analysis using *R/RStudio* and to clearly present the results (tables, figures, interactive reports).

	Date and time	Lecture Topic
Lecture 1	2021 May 17, 17：30～19：30	Practical Bioinformatics Course and NGS Data Analysis
Lecture 2	2021 May 31, 17：30～19：30	Introduction to *R* & *RStudio*
Lecture 3	2021 June 14, 17：30～19：30	Working with Gene Expression Data
Lecture 4	2021 June 28, 17：30～19：30	Differential Gene Expression Analysis
Lecture 5	2021 July 12, 17：30～19：30	Pathway Enrichment Analysis
Lecture 6	2021 July 26, 17：30～19：30	Reporting NGS Data Analysis Results
Lecture 7	2021 September 27, 17：30～19：30	Single Cell RNA-seq Data Analysis
Lecture 8	2021 October 11, 17：30～19：30	Special Lecture: Good Practices in Bioinformatics

■ 8 Online Lectures（zoom/English）

■ Advanced registration required : 20-25 people

■ Application form: BI Lab webpage