CB-C3: Advanced techniques for multi-omics data analysis and integration

Person in charge and Representative	Li, Kacprowski and Xu
Contact person	BIOMEDAS Office
Semester	This course can be taken in semester 3 or 4
Topic cluster	Computational biology
Duration/Credit	Block – 2x 6h / 2 days
Time	The exact date incl. time will be announced separately
Place	Online. Dial-in data are sent separately
Prerequisite for the course	Lecture Introduction to bioinformatics data types and analysis techniques Course: Introduction to multi-omics sequencing data generation and analysis Lecture: Advanced techniques for multi-omics data analysis and integration
Aim of the course	This course aims at achieving the following objectives: ● How to pre-process and analyze and visualize multi-omics data ● How to computationally predict phenotypes based on omics data ● How to integrate omics data of different assays