

time	Mon	Tue	Wed	Thu	Fri
9:00-10:15	Course Welcome and Introduction	Gregorio Iraola Metagenomics of urban sewage	Stefano Campanaro in-depth functional analysis of the biogas microbiome	Claudia Etchebehere The hydrogen-producing reactor microbiome	Hebe Dionisi Earth's microbiome CAZymes
	Coffe break				
10:45-12:00	Leonardo Erijman Introduction to genome-centric metagenomics	Leonardo Erijman The activated sludge microbiome	Stefano Campanaro From genome-centric metagenomics to metabolic flux balance analysis: the study of the uncultivable anaerobic microbes	Ariel Chernomoretz Network analysis	Practical session Data visualization.
	Lunch				
13:30-18:30	Practical session Sequence data files. Reads quality control and processing	Practical session Genome and metagenome assembly	Practical session Binning and genome curation	Practical session Databases: Taxonomic classification and functional annotation	Practical sessions feed back and wrap-up Course evaluation