

COMETH Program

From omics data
to tumor heterogeneity quantification

DAY 1. February 15th 2020

9:30-12:00 am LECTURES

9:00 - 9:30 am: Introduction
Technical check / connection of each participant
COMETH project in brief :
COMETH objectives, aim of the 2days course

9:30 - 10:30 am: Clinician point of view :
Why does tumor heterogeneity quantification matter ?

11:00 - 12:00 am: Bioinformatician point of view :
How to quantify tumor heterogeneity ? Overview of
unsupervised / supervised computational methods

2:00-5:00 pm PRACTICAL WORK

2:00 - 3:00 pm:
Formating and pre-treatment of the data

3:00-5:00 pm:
Presentation of the user-friendly COMETH web-
interface
Quantification of tumor heterogeneity using a toy
example provided by the trainers

DAY 2. February 16th 2020

9:30-12:00 am PRACTICAL WORK

9:00 - 10:00 am:
Selection of the computational methods of interest for
each participant

10:00-12:00 am:
Tumor heterogeneity quantification on participant's
datasets using selected algorithms

2:00-2:45 pm LECTURE

Visualisation and interpretation of the results


2:45-4:00 pm PRACTICAL WORK

Biological interpretation of participants results and
discussions

4:00-5:00 pm LECTURE

From scientific research to clinical usage: needs and
perspectives



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