

## Final Program

### **June 8<sup>th</sup>**

2 pm-19:30 pm: pick-up at bus and train station and arrival

8 pm: dinner

### **June 9<sup>th</sup>**

9 am- 9:15 am: *Welcome* (Laura Goracci, Gabriele Cruciani)

9:15 am- 11 am: *Chemometrics concepts for dummies* (Gabriele Cruciani)

11 am- 11:30 am: coffee break

11:30 am- 12:30 am: *Unsupervised methods for Artificial Intelligence* (Gabriele Cruciani)

12:30 am- 2:30 pm: lunch and free time

2:30 pm- 3:30 pm: *Supervised methods for Intelligence Amplification* (Gabriele Cruciani)

3:30 pm- 4:15 pm: *Applications of Chemometrics in Lipidomics* (Laura Goracci)

4:15 pm- 4:45 pm: coffee break

4:45 pm-5:15 pm: *Study 1: Lipidomics profiling of zebrafish liver through untargeted liquid chromatography-high resolution mass spectrometry* (Katyeny Manuela da Silva)

5:15 pm -5:45 pm: *Study 2: Quantitative lipidome profiling of adipocytes vs stromal vascular cells in white adipose tissue* (Michele Wölk)

5.45 pm -6:15 pm: *Study 3: The role of sulfatides in the diagnosis and prognosis of metachromatic leukodystrophy* (Naima Fdil)

6:15 pm: Free time and dinner

### **June 10<sup>th</sup>**

9:00 am- 10 am: *Chemometrics vs. other AI methods: how to make your selection?*(G. Cruciani, L. Goracci)

10 am- 11 am: Key study: how many ways to analyze a dataset?

11 am- 11:30: coffee break

11:30 am- 12:30 am: Free discussion on your datasets

12:30 am-1 pm: Closing remarks

1 pm: farewell lunch