

## Training on Targeted and Non-targeted MS-data Analysis in Lipidomics

**Day 1 – March 11, 2025**  
**Venue: Library, 1<sup>st</sup> floor, IBISS, Belgrade**

Time	Title	Speaker/Participants
09:30 – 10:00	Registration of participants	
10:00 – 10:45	Quick Introduction to Lipidomics and Lipid Annotation	Prof. Matej Orešič, ÖRU
10:45 – 11:00	Coffee break	
11:00– 11:45	Lipidomics analysis	Prof. Matej Orešič/Dr. Anh Hoang Nguyen, ÖRU
11:45 – 12:00	Coffee break	
12:00 – 12:45	Hands-on MZmine – LC-MS/MS Data Processing: MZwizard Quickstart	Dr. Anh Hoang Nguyen, ÖRU
12:45 – 14:00	Lunch	
14:00 – 14:45	Hands-on MZmine Lipid Annotation Using m/z, Retention Time, and MS/MS Spectra	Dr. Anh Hoang Nguyen, ÖRU

**Day 2 – March 12, 2025**  
**Venue: Library, 1<sup>st</sup> floor, IBISS, Belgrade**

10:00 – 10:45	Hands-on Data Post-Processing in Excel	Dr. Anh Hoang Nguyen, ÖRU
10:45 – 11:00	Coffee break	
11:00– 11:45	Hands-on Statistical Analysis Using MetaboAnalyst	Dr. Anh Hoang Nguyen, ÖRU
11:45 – 12:00	Coffee break	
12:00 – 12:45	Hands-on Functional Analysis Using MetaboAnalyst	Dr. Anh Hoang Nguyen, ÖRU
12:45 – 14:00	Lunch	
14:00 – 14:45	Popular databases for metabolomics and lipidomics: A quick introduction	Dr. Anh Hoang Nguyen, ÖRU
14:45 – 15:00	Final discussion and take-home messages	