

Course Syllabus

Crash Course on LC-MS Based Untargeted Metabolomics Data Preprocessing

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1 Learning outcome

After completing the course, the student(s) should have:

Knowledge about:

- Principles of LC-MS based untargeted metabolomics
- Principles of data preprocessing of LC-MS based untargeted metabolomics

Skills in/to:

- Applying MZmine 2.0 to preprocess LC-MS based untargeted metabolomics data

Competences in/to:

- Independently handle LC-MS based metabolomics data preprocessing task

2 Course Structure

	Contents	Date	Location	Duration
Lecture	Introduction to LC-MS based Metabolomics data preprocess	ad-hoc	local meeting room	20 min
Hands-on exercise 1	real case practise	ad-hoc	local meeting room	1 h
Hands-on exercise 2	real case practise	ad-hoc	local meeting room	1 h
Q & A	Questions regarding data preprocessing	ad-hoc	ad-hoc	1 h

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3 Reading materials

4 Notes