

Student Workshop

Hands-on Course on

Quantitative Metabolomics

Within this course the basic principles of metabolomics will be discussed. The participants will learn how to use gas chromatography mass spectrometry (GC-MS) for metabolomics measurements. In frame of the course the theoretical background of GC-MS will be explained and finally own samples will be analyzed. The participants will receive an introduction into the user friendly in house software 'Maui-SILVIA' for data analysis and will analyze the data themselves. The results of the measurements will be discussed.

This workshop is limited to eight participants

Date

November 2-6 all day
pre-meeting
October 28, 3 pm

The course is designed for PHD students that aim to use metabolomics in their project.

Location

BIH Omics facility
Campus Buch

COURSE SCHEDULE

Wednesday 28 October at 3 pm
initial meeting of the participants (1hour)
MDC Campus Buch

Monday 02 November

Seminar: Introduction to GC-MS based metabolomics I
Lab: Preparation of own samples I

Tuesday 03 November

Lab: Sample preparation II
Seminar: Introduction into GC-MS based metabolomics II

Wednesday 04 November

Sample measurement (run by staff)

Thursday 05 November

Introduction into sample processing and analysis
Software training Maui-SILVIA
(in house metabolomics software)

Friday 06 November

Data analysis/Evaluation of the results

MDC

MAX DELBRÜCK CENTER
FOR MOLECULAR MEDICINE
IN THE HELMHOLTZ ASSOCIATION



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