

Practical Course: Sensitive quantification by LC-MS/MS

This course will be a beginner's guide to quantification by mass spectrometry for people with little or no hands-on MS experience. We will design methods together with you, run samples and compare different quantification methods. Experiments will be performed with the software MassLynx on a Waters Xevo TQ-Su instrument with triple quad detector. We will also analyze fragmentation patterns of simple peptides. After this course, you will be able to understand LC-MS/MS data and design your own quantification experiments.

Topics:

- Theory of triple quad LC-MS/MS
- Optimizing a UPLC method
- Tuning the mass spectrometer for optimum sensitivity
- Quantification by external standard, internal standard and standard addition
- Analyzing fragmentation patterns

The number of participants will be limited to 6 in order to assure a workshop environment conducive to "hand to hand" exercises and to adhere to the "Concept for protection against infection".

Date and Time

August 12, 2020 - August 13, 2020

Location

Location: SR Alexander Fleming, Leibniz-HKI

Leader

[Hajo Kries](#)