

Interpretation of high resolution mass spectra from the browser [SP-11] NEU

Goal

This course is focussed on the interpretation of high resolution mass spectra and we will not discuss the different acquisition techniques. It will involve a lot of exercises during which the participants will use various tools that are available on the internet for free and that we have developed like:

- www.polycalc.org
- sgms.cheminfo.org
- www.chemcalc.org

Target Group

Users that would like to extract more information from high resolution mass spectra using webbrowser available tools and databases.

Content

During this course the following topics will be discussed:

- high resolution mass spectra, isotopic distribution, mass defect
- determination of molecular formula from high resolution mass spectrum
- peptide and non natural peptide fragmentation / assignment
- polymer analysis
- open database for mass spectra comparison and natural product identification

Approach

The class will involve a lot of exercises and participants should bring their own laptop with Google Chrome installed. They should also check that the website <https://www.polycalc.org> works from their laptop.

Event Properties

Event Date	Tuesday, 04 June 2024 - Tuesday, 04 June 2024
Registration Start Date	Monday, 30 November -0001

Cut off date	Monday, 30 November -0001
Individual Price	Mitglied CHF 600.00, Nichtmitglied CHF 750.00, Studierende/Doktorierende/AHV CHF 320.00
Course language	English
Location	Olten, Olten